

Converting Colors

XYZ(79.9816, 84.2860, 93.0110)

Have a look what the booklet for
XYZ(79.9816, 84.2860, 93.0110)
contains.

XYZ(79.9778, 84.4036, 92.9652)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

**XYZ(79.9778, 84.4036,
92.9652)**

Conversions

Conversions Part 1

Format	Color
Hex	EBEDEE
RGB	235, 237, 238
RGB Percent	92%, 93%, 93%
CMY	0.0784, 0.0706, 0.0667
CMYK	0.01, 0.00, 0.00, 0.07
HSL	200°, 8%, 93%
HSV	200°, 1%, 93%
XYZ	79.9778, 84.4036, 92.9652
YIQ	236.5160, -1.5130, -0.1130

Conversions

Conversions Part 2

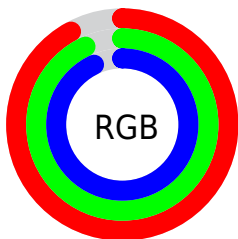
Format	Color
R _Y B	235, 236, 238
Decimal	15461870
CIE Lab	93.63, -0.48, -0.73
CIE LCh	94, 0.872, 236.438
Yxy	84.4036, 0.3108, 0.3280
Android (android.graphics.Color)	4293651950 (0xFFEBEDEE)
YUV	236.5160, 0.7316, -1.3295
Hunter-Lab	91.8714, -5.3835, 4.3141

Details

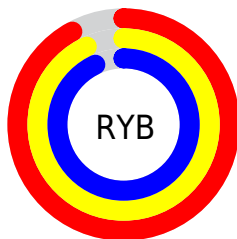
The XYZ color **79.9778, 84.4036, 92.9652** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **80.2510, 84.1654, 90.6145**, and the grayscale version is **80.1218, 84.2944, 91.7966**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5578, 46.0089, 50.8408** is the 20% darker color. If you saturate the color by 10%, you get **70.4024, 76.1473, 91.8775**, and if you desaturate by 10%, it is **89.2976, 92.6825, 94.0733**.

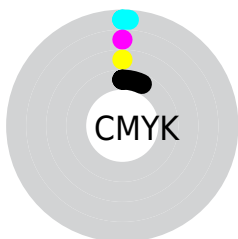
Distribution



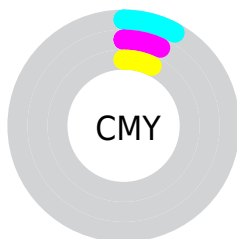
- Red (92%)
- Green (93%)
- Blue (93%)



- Red (92%)
- Yellow (93%)
- Blue (93%)



- Cyan (1%)
- Magenta (0%)
- Yellow (0%)
- Black (7%)



- Cyan (8%)
- Magenta (7%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9778, 84.4036, 92.9652 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 79.9778, 84.4036, 92.9652 by changing the saturation by 10% instead.

■ 79.9778, 84.4036,
92.9652

■ 79.9778, 84.4036,
92.9652

483.5957,
509.6525, 558.4471

■ 60.0085, 63.3487,
69.8551

132.2852,
139.5396, 153.4217

■ 43.6750, 46.1234,
50.9323

165.3540,
174.3895, 191.6052

■ 30.6119, 32.3432,
35.7784

203.5200,
214.6066, 235.6502

■ 20.4539, 21.6238,
23.9748

247.1486,
260.5751, 285.9753

■ 12.8356, 13.5807,
15.1029

296.6051,
312.6796, 342.9990

■ 7.3916, 7.8296,
8.7442

352.2549,

■ 3.7567, 3.9861,

371.3044, 407.1398

4.4802

414.4633,
436.8339, 478.8164

■ 1.5654, 1.6658,
1.8923

■ 0.3697, 0.4014,
0.4878

■ 79.9778, 84.4036,
92.9652

■ 79.9778, 84.4036,
92.9652

■ 70.4024, 76.1473,
91.8775

■ 89.2976, 92.6825,
94.0733

■ 61.9340, 68.6072,
90.8685

■ 91.7386, 97.5645,
94.8869

■ 54.5296, 61.7614,
89.9374

■ 92.4329, 98.9531,
95.1184

■ 48.1404, 55.5829,
89.0815

■ 42.7135, 50.0423,
88.2981

■ 38.1911, 45.1078,
87.5840

■ 34.5085, 40.7440,
86.9358

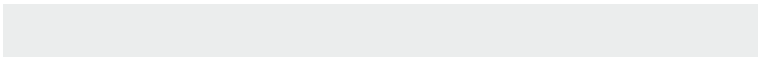
■ 31.5918, 36.9104,
86.3496

■ 29.3524, 33.5594,
85.8208

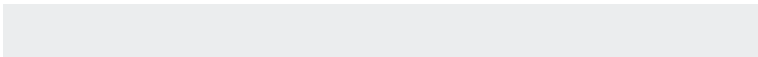
Harmonies

Analogous

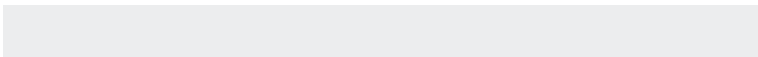
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



79.8261, 84.4036, 92.4687



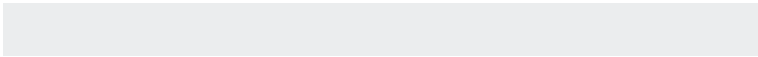
79.9778, 84.4036, 92.9652



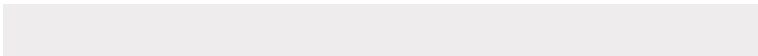
80.1955, 84.4036, 93.1766

Triad

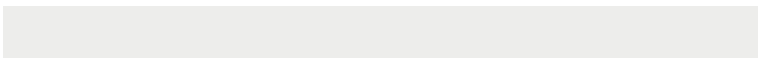
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9778, 84.4036, 92.9652



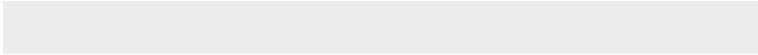
80.6672, 84.4036, 91.9802



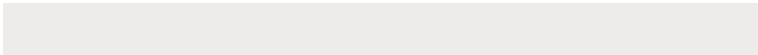
80.0255, 84.4036, 90.7669

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



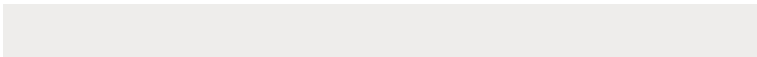
79.9778, 84.4036, 92.9652



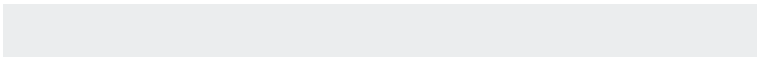
80.2510, 84.1654, 90.6145

Split Complementary

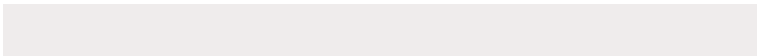
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.2507, 84.4036, 90.6375



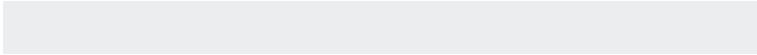
79.9778, 84.4036, 92.9652



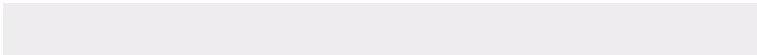
80.6214, 84.4036, 91.3360

Square

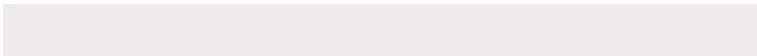
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



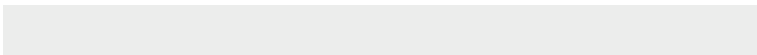
79.9778, 84.4036, 92.9652



80.5938, 84.4036, 92.6062



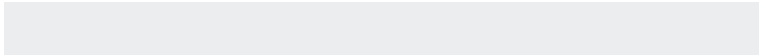
80.4689, 84.4036, 90.8453



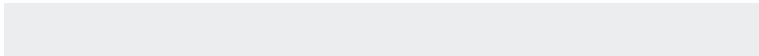
79.8536, 84.4036, 91.1998

Rectangle

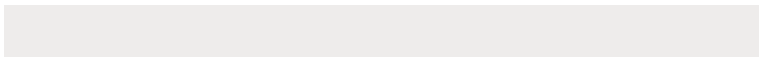
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



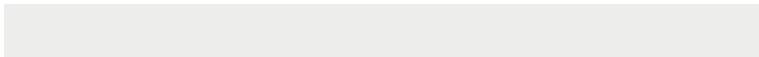
79.9778, 84.4036, 92.9652



80.3488, 84.4036, 93.1266



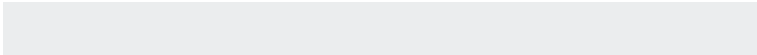
80.4689, 84.4036, 90.8453



80.0975, 84.4036, 90.6866

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



79.9802, 84.4072, 92.9670

95.0500, 100.0000, 108.9000



79.9699, 84.8659, 91.4860



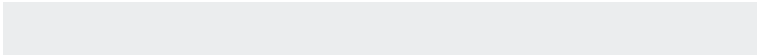
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

Same Dimension

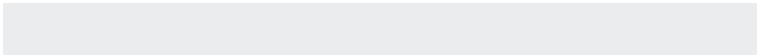
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.9802, 84.4072, 92.9670



92.6607, 97.9698, 108.6341



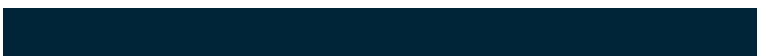
79.5609, 83.5687, 92.8273



17.3815, 18.3723, 20.3517



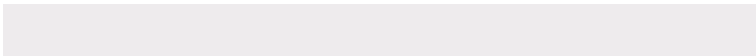
15.6477, 17.5197, 47.6848



1.3926, 1.6392, 3.9972

Inverse Universe

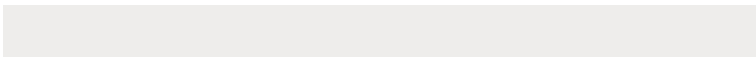
The Inverse Universe completely reimagines the original color for something new.



80.2562, 83.7099, 92.0527



93.1731, 96.6805, 106.9352



80.6713, 85.0060, 90.7546



17.4722, 18.1440, 20.0510



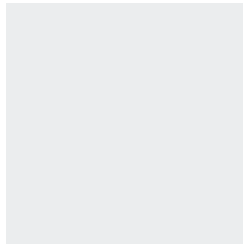
23.2239, 11.5620, 19.6273



1.9779, 0.9802, 1.8743

Previews

White Background



This preview shows how the XYZ color 79.9778, 84.4036, 92.9652 looks on a white background.

Color Contrast Check

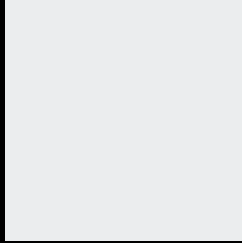
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 79.9778, 84.4036, 92.9652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

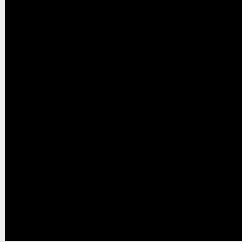
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

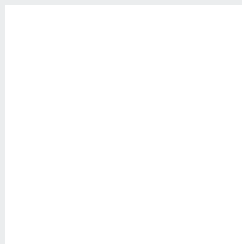
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9778, 84.4036, 92.9652

Background



This preview shows how black text looks on a background with the XYZ color 79.9778, 84.4036, 92.9652.



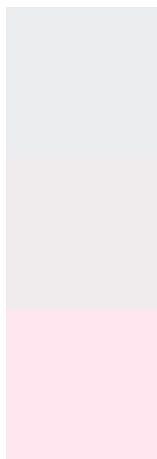
This preview shows how white text looks on a background with the XYZ color 79.9778, 84.4036,

92.9652.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

79.9778, 84.4036, 92.9652

Protanopia

80.9296, 84.0564, 92.0798

Deuteranopia

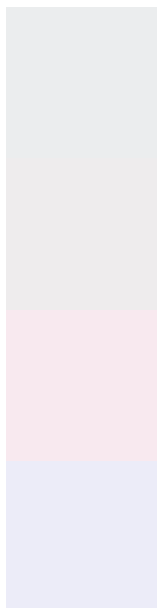
85.1168, 84.0856, 93.4054



Tritanopia

82.3630, 84.5130, 104.9002

Trichromacy



Original Color

79.9778, 84.4036, 92.9652

Protanomaly

80.5414, 84.2825, 92.1439

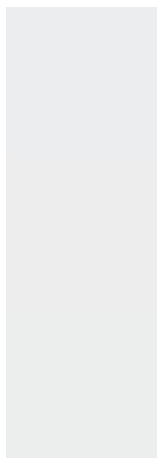
Deuteranomaly

83.4303, 84.4663, 93.5677

Tritanomaly

81.5308, 84.6011, 100.8394

Monochromacy



Original Color

79.9778, 84.4036, 92.9652

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.1623, 84.5157, 92.2089

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9778, 84.4036, 92.9652 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(235, 237, 238) looks like.

```
.text, #text, p{  
    color:rgb(235, 237, 238)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(235, 237, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 237, 238) }
```

Border

The CSS property to change the border of an element to XYZ 79.9778, 84.4036, 92.9652 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(235, 237, 238) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(235, 237, 238) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(235, 237, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 237, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 237, 238);  
box-shadow:4px 4px 4px 4px rgb(235, 237,  
238) }
```


Background

The CSS property to change the background color of an element to XYZ 79.9778, 84.4036, 92.9652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 237, 238) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(235,  
237, 238) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor