

Converting Colors

XYZ(80.1763, 84.8649,
100.3526)

Have a look what the booklet for
XYZ(80.1763, 84.8649, 100.3526)
contains.

XYZ(79.9962, 84.6875, 100.1258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(79.9962, 84.6875,
100.1258)**

Conversions

Conversions Part 1

Format	Color
Hex	E6EEF7
RGB	230, 238, 247
RGB Percent	90%, 93%, 97%
CMY	0.0980, 0.0666, 0.0314
CMYK	0.07, 0.04, 0.00, 0.03
HSL	212°, 52%, 94%
HSV	212°, 7%, 97%
XYZ	79.9962, 84.6875, 100.1258
YIQ	236.6340, -7.6570, 1.1030

Conversions

Conversions Part 2

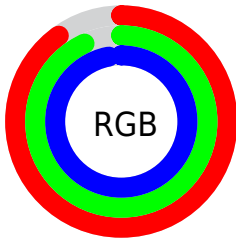
Format	Color
R _Y B	230, 235, 247
Decimal	15134455
CIE Lab	93.75, -0.98, -5.27
CIE LCh	94, 5.356, 259.510
Yxy	84.6875, 0.3021, 0.3198
Android (android.graphics.Color)	4293324535 (0xFFE6EEF7)
YUV	236.6340, 5.1104, -5.8180
Hunter-Lab	92.0258, -5.8787, -0.0906

Details

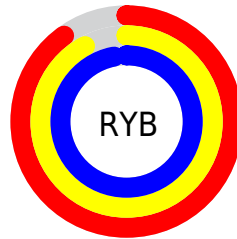
The XYZ color **79.9962, 84.6875, 100.1258** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5075, 87.2197, 87.2981**, and the grayscale version is **80.1832, 84.3590, 91.8669**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.5875, 46.2162, 55.9135** is the 20% darker color. If you saturate the color by 10%, you get **68.9564, 73.5525, 98.5597**, and if you desaturate by 10%, it is **92.4404, 96.9614, 101.8403**.

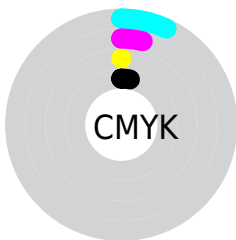
Distribution



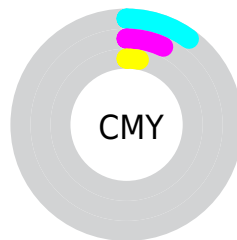
- Red (90%)
- Green (93%)
- Blue (97%)



- Red (90%)
- Yellow (92%)
- Blue (97%)



- Cyan (7%)
- Magenta (4%)
- Yellow (0%)
- Black (3%)



- Cyan (10%)
- Magenta (7%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.9962, 84.6875, 100.1258 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 79.9962, 84.6875, 100.1258 by changing the saturation by 10% instead.

■ 79.9962, 84.6875,
100.1258

■ 79.9962, 84.6875,
100.1258

483.6568,
510.5934, 581.8460

■ 60.0237, 63.5832,
75.7881

132.3109,
139.9365, 163.3834

■ 43.6873, 46.3132,
55.7532

165.3839,
174.8500, 203.1405

■ 30.6216, 32.4930,
39.6024

203.5543,
215.1353, 248.8744

■ 20.4613, 21.7384,
26.9173

247.1876,
261.1769, 301.0037

■ 12.8410, 13.6648,
17.2792

296.6492,
313.3591, 359.9470

■ 7.3954, 7.8879,
10.2697

352.3043,

■ 3.7591, 4.0233,

372.0663, 426.1228

5.4702

414.5184,
437.6830, 499.9496

■ 1.5668, 1.6866,
2.4622

■ 0.3706, 0.4150,
0.8200

■ 79.9962, 84.6875,
100.1258

■ 79.9962, 84.6875,
100.1258

■ 68.9564, 73.5525,
98.5597

■ 92.4404, 96.9614,
101.8403

■ 59.2608, 63.5096,
97.1322

■ 93.7888, 99.4955,
102.2584

■ 50.8555, 54.5246,
95.8410

■ 43.6801, 46.5570,
94.6812

■ 37.6687, 39.5632,
93.6481

■ 32.7489, 33.4959,
92.7363

■ 28.8390, 28.3026,
91.9400

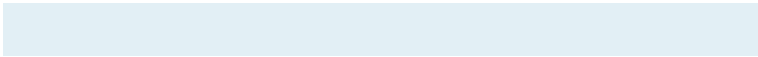
■ 25.8442, 23.9235,
91.2526

■ 23.6455, 20.2859,
90.6663

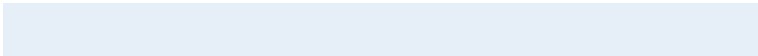
Harmonies

Analogous

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



78.7307, 84.6875, 98.2944



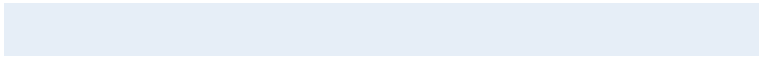
79.9962, 84.6875, 100.1258



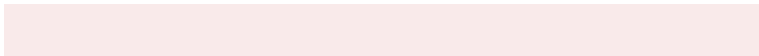
81.4095, 84.6875, 99.7895

Triad

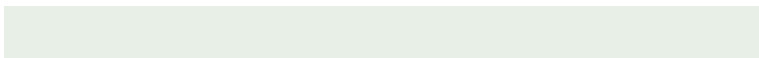
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.9962, 84.6875, 100.1258



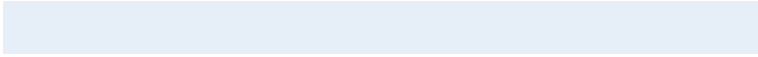
83.0976, 84.6875, 89.6199



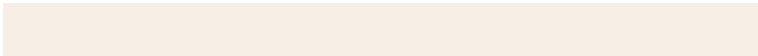
78.4315, 84.6875, 87.2190

Complementary

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



79.9962, 84.6875, 100.1258



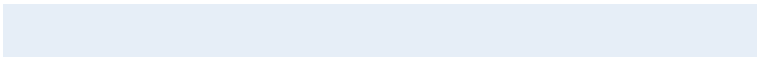
83.5075, 87.2197, 87.2981

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.



79.5833, 84.6875, 85.0250



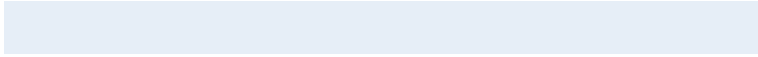
79.9962, 84.6875, 100.1258



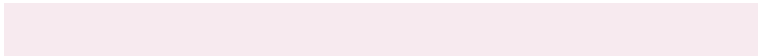
82.2813, 84.6875, 86.3826

Square

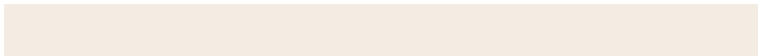
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



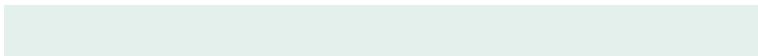
79.9962, 84.6875, 100.1258



83.2113, 84.6875, 93.6432



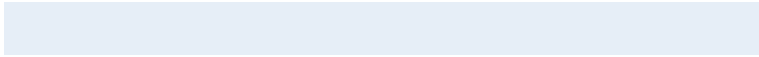
80.9917, 84.6875, 84.7234



77.8344, 84.6875, 90.7921

Rectangle

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



79.9962, 84.6875, 100.1258



82.2449, 84.6875, 98.3842



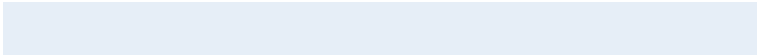
80.9917, 84.6875, 84.7234



78.7660, 84.6875, 86.3003

Sweetspot

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



79.9986, 84.6911, 100.1277



92.3435, 97.3356, 108.5284



81.4433, 89.5652, 94.4903



19.7937, 20.8618, 23.2334



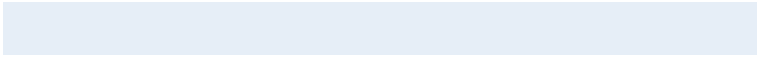
0.0000, 0.0000, 0.0000



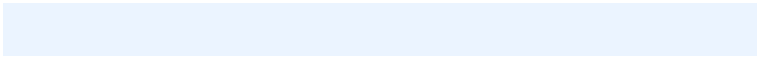
20.3446, 21.4041, 23.3091

Same Dimension

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



79.9986, 84.6911, 100.1277



84.5912, 89.6386, 107.4513



77.8109, 80.1805, 99.3723



16.2245, 17.2133, 21.0099



12.3391, 10.4720, 47.9090



1.1865, 1.1244, 4.2447

Inverse Universe

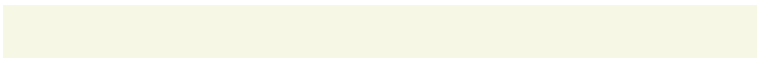
The Inverse Universe completely reimagines the original color for something new.



82.0891, 82.5426, 92.4989



87.1941, 86.9919, 97.9462



85.8030, 91.9588, 88.0919



16.8239, 16.6124, 18.8192



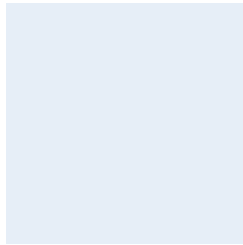
22.0327, 11.1565, 10.1467



1.9879, 1.0011, 1.1629

Previews

White Background



This preview shows how the XYZ color 79.9962, 84.6875, 100.1258 looks on a white background.

Color Contrast Check

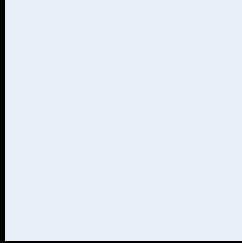
Large Text (above 18pt) WCAG AA × Fail

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 79.9962, 84.6875, 100.1258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

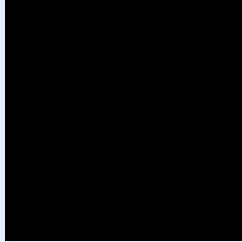
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

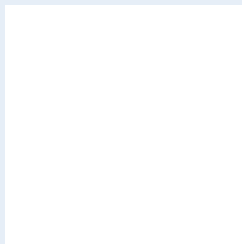
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.9962, 84.6875, 100.1258

Background



This preview shows how black text looks on a background with the XYZ color 79.9962, 84.6875, 100.1258.



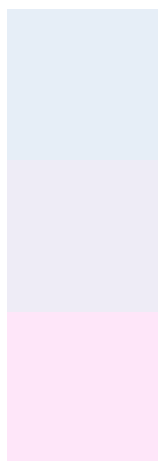
This preview shows how white text looks on a background with the XYZ color 79.9962, 84.6875,

100.1258.

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

79.9962, 84.6875, 100.1258

Protanopia

81.8899, 84.8219, 99.2450

Deuteranopia

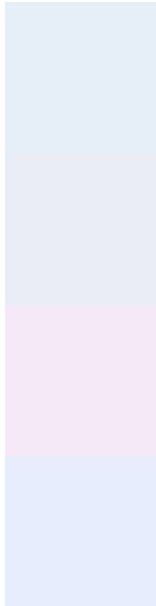
86.2687, 84.5040, 101.3866



Tritanopia

81.6129, 84.9442, 106.7021

Trichromacy



Original Color

79.9962, 84.6875, 100.1258

Protanomaly

81.1797, 84.8844, 99.2945

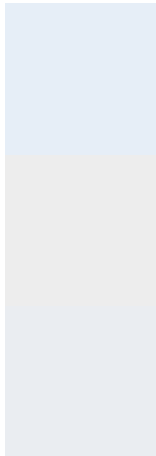
Deuteranomaly

83.7384, 84.4676, 100.6973

Tritanomaly

80.8099, 84.5856, 104.1630

Monochromacy



Original Color

79.9962, 84.6875, 100.1258

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.0931, 84.4117, 95.2908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.9962, 84.6875, 100.1258 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(230, 238, 247)` looks like.

```
.text, #text, p{  
    color:rgb(230, 238, 247)  
}
```

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(230, 238, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 238, 247) }
```

Border

The CSS property to change the border of an element to XYZ 79.9962, 84.6875, 100.1258 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(230, 238, 247) }
```


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

```
.border{ border-color:rgb(230, 238, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 238, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 238, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 238, 247);  
box-shadow:4px 4px 4px 4px rgb(230, 238,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 79.9962, 84.6875, 100.1258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 238, 247) }
```

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

```
.background{ background-color: rgb(230,  
238, 247) }
```

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