

Converting Colors

XYZ(80.0325, 84.5744, 90.4417)

Have a look what the booklet for
XYZ(80.0325, 84.5744, 90.4417)
contains.

XYZ(79.8717, 84.3994, 90.6783)	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(79.8717, 84.3994,
90.6783)**

Conversions

Conversions Part 1

Format	Color
Hex	ECEDEB
RGB	236, 237, 235
RGB Percent	93%, 93%, 92%
CMY	0.0745, 0.0706, 0.0784
CMYK	0.00, 0.00, 0.01, 0.07
HSL	90°, 5%, 93%
HSV	90°, 1%, 93%
XYZ	79.8717, 84.3994, 90.6783
YIQ	236.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

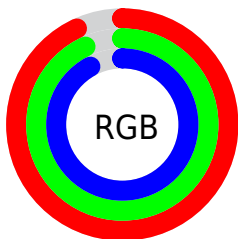
Format	Color
R _Y B	235, 237, 236
Decimal	15527403
CIE Lab	93.62, -0.68, 0.84
CIE LCh	94, 1.082, 129.153
Yxy	84.3994, 0.3133, 0.3310
Android (android.graphics.Color)	4293717483 (0xFFECEDEB)
YUV	236.4730, -0.7262, -0.4148
Hunter-Lab	91.8691, -5.5818, 5.7869

Details

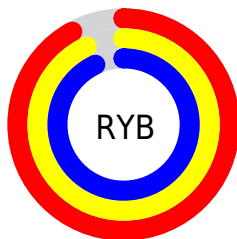
The XYZ color **79.8717, 84.3994, 90.6783** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.5896, 83.3662, 92.0215**, and the grayscale version is **80.0988, 84.2701, 91.7702**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.4829, 46.0057, 49.2360** is the 20% darker color. If you saturate the color by 10%, you get **72.8618, 81.1577, 73.6509**, and if you desaturate by 10%, it is **87.0029, 87.7252, 106.9549**.

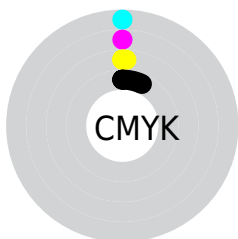
Distribution



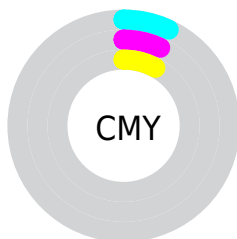
- Red (93%)
- Green (93%)
- Blue (92%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.8717, 84.3994, 90.6783 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 79.8717, 84.3994, 90.6783 by changing the saturation by 10% instead.

■ 79.8717, 84.3994,
90.6783

■ 79.8717, 84.3994,
90.6783

483.2435,
509.6386, 550.8618

■ 59.9209, 63.3452,
67.9665

132.1368,
139.5337, 150.2240

■ 43.6041, 46.1206,
49.4039

165.1818,
174.3827, 187.8949

■ 30.5559, 32.3410,
34.5722

203.3222,
214.5987, 231.3893

■ 20.4111, 21.6221,
23.0526

246.9235,
260.5662, 281.1256

■ 12.8042, 13.5795,
14.4267

296.3509,
312.6696, 337.5225

■ 7.3699, 7.8288,
8.2759

351.9698,

■ 3.7429, 3.9856,

371.2931, 400.9985

4.1817

414.1455,
436.8214, 471.9721

■ 1.5577, 1.6655,
1.7255

■ 0.3646, 0.4012,
0.3781

■ 79.8717, 84.3994,
90.6783

■ 79.8717, 84.3994,
90.6783

■ 72.8618, 81.1577,
73.6509

■ 87.0029, 87.7252,
106.9549

■ 66.5449, 78.2203,
58.9422

■ 89.5758, 89.0516,
107.0753

■ 60.8992, 75.5804,
46.4534

■ 55.8988, 73.2271,
36.0762

■ 51.5159, 71.1486,
27.6934

■ 47.7204, 69.3322,
21.1765

■ 44.4790, 67.7640,
16.3816

■ 41.7544, 66.4283,
13.1442

■ 39.5027, 65.3067,
11.2673

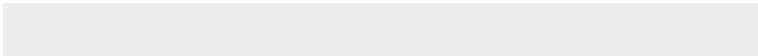
Harmonies

Analogous

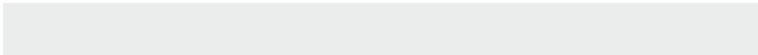
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.1315, 84.3994, 90.3474



79.8717, 84.3994, 90.6783



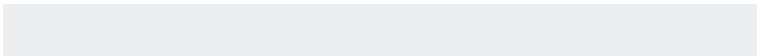
79.7053, 84.3994, 91.3361

Triad

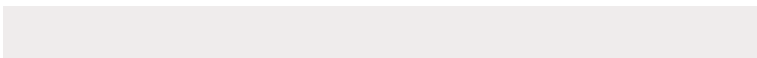
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



79.8717, 84.3994, 90.6783



80.0232, 84.3994, 93.3792



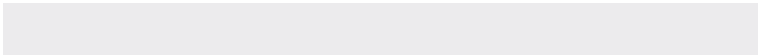
80.7643, 84.3994, 91.6458

Complementary

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



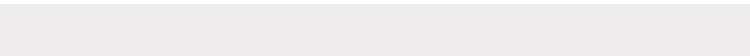
79.8717, 84.3994, 90.6783



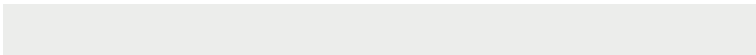
79.5896, 83.3662, 92.0215

Split Complementary

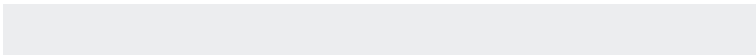
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7351, 84.3994, 92.4593



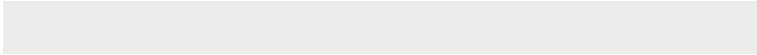
79.8717, 84.3994, 90.6783



80.3068, 84.3994, 93.4634

Square

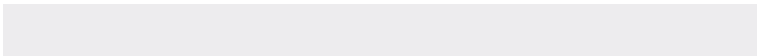
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



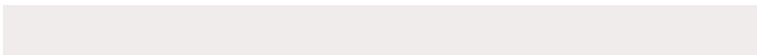
79.8717, 84.3994, 90.6783



79.7926, 84.3994, 92.8966



80.5675, 84.3994, 93.1258



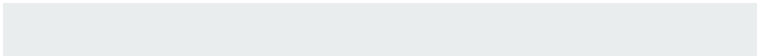
80.6471, 84.3994, 90.9038

Rectangle

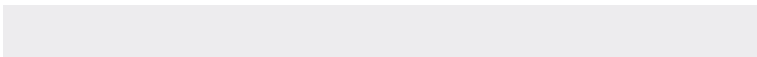
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.8717, 84.3994, 90.6783



79.6694, 84.3994, 91.8733



80.5675, 84.3994, 93.1258



80.7713, 84.3994, 91.9199

Sweetspot

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



79.8741, 84.4030, 90.6801

95.0500, 100.0000, 108.9000



79.9191, 83.9967, 90.5993



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.



79.8741, 84.4030, 90.6801



94.1737, 99.5954, 106.7301



79.5430, 84.2323, 90.6646



16.8536, 17.8185, 19.1128



20.7846, 35.2593, 5.7103



1.7430, 2.8259, 0.4536

Inverse Universe

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



79.5896, 83.3662, 92.0215



93.7753, 98.1432, 108.6088



79.9226, 83.5379, 92.0371



16.7864, 17.5737, 19.4296



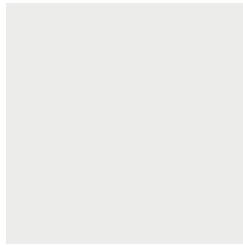
12.6305, 5.5472, 44.1480



1.1028, 0.4928, 3.4719

Previews

White Background



This preview shows how the XYZ color 79.8717, 84.3994, 90.6783 looks on a white background.

Color Contrast Check

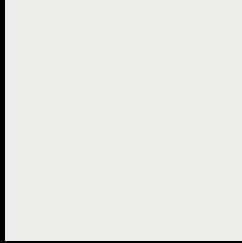
Large Text (above 18pt) WCAG AA × Fail

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 79.8717, 84.3994, 90.6783 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

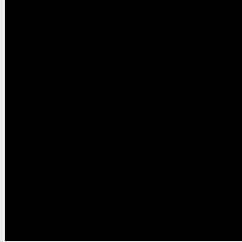
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

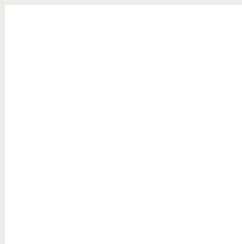
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 79.8717, 84.3994, 90.6783

Background



This preview shows how black text looks on a background with the XYZ color 79.8717, 84.3994, 90.6783.



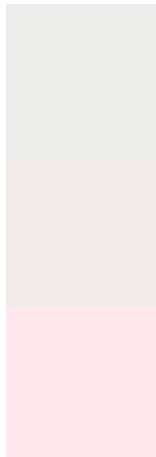
This preview shows how white text looks on a background with the XYZ color 79.8717, 84.3994,

90.6783.

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

79.8717, 84.3994, 90.6783

Protanopia

80.8352, 84.0579, 89.8062

Deuteranopia

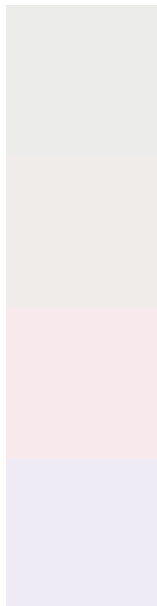
85.1020, 84.5263, 91.9506



Tritanopia

82.7490, 84.2882, 104.8364

Trichromacy



Original Color

79.8717, 84.3994, 90.6783

Protanomaly

80.4433, 84.2821, 89.8702

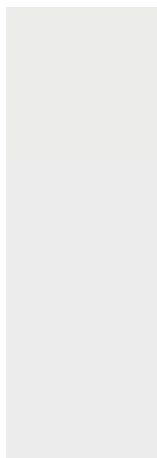
Deuteranomaly

82.9906, 84.2904, 91.2525

Tritanomaly

81.6028, 84.2476, 99.1493

Monochromacy



Original Color

79.8717, 84.3994, 90.6783

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

79.7278, 83.8799, 91.3452

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.8717, 84.3994, 90.6783 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(236, 237, 235) looks like.

```
.text, #text, p{  
    color:rgb(236, 237, 235)  
}
```

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(236, 237, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 237, 235) }
```

Border

The CSS property to change the border of an element to XYZ 79.8717, 84.3994, 90.6783 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(236, 237, 235) }
```

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

```
.border{ border-color:rgb(236, 237, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 237, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 237, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 237, 235);  
box-shadow:4px 4px 4px 4px rgb(236, 237,  
235) }
```


Background

The CSS property to change the background color of an element to XYZ 79.8717, 84.3994, 90.6783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 237, 235) }
```

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

```
.background{ background-color: rgb(236,  
237, 235) }
```

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](#).

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