

Converting Colors

XYZ(80.9952, 84.0046, 95.9500)

Have a look what the booklet for
XYZ(80.9952, 84.0046, 95.9500)
contains.

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Color

**XYZ(80.9952, 84.0046,
95.9500)**

Conversions

Conversions Part 1

Format	Color
Hex	EEEEBF2
RGB	238, 235, 242
RGB Percent	93%, 92%, 95%
CMY	0.0667, 0.0784, 0.0510
CMYK	0.02, 0.03, 0.00, 0.05
HSL	266°, 21%, 94%
HSV	266°, 3%, 95%
XYZ	80.9952, 84.0046, 95.9500
YIQ	236.6950, -0.4590, 2.8130

Conversions

Conversions Part 2

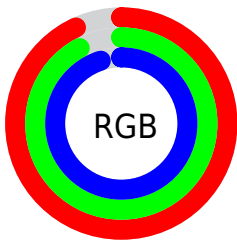
Format	Color
R _Y B	238, 235, 242
Decimal	15657970
CIE Lab	93.45, 2.26, -3.03
CIE LCh	93, 3.782, 306.642
Yxy	84.0046, 0.3104, 0.3219
Android (android.graphics.Color)	4293848050 (0xFFEEEEBF2)
YUV	236.6950, 2.6154, 1.1445
Hunter-Lab	91.6540, -2.6530, 2.0888

Details

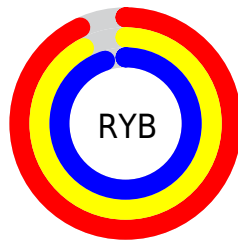
The XYZ color **80.9952, 84.0046, 95.9500** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.3474, 87.8554, 91.2192**, and the grayscale version is **80.2446, 84.4236, 91.9373**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2744, 45.7305, 52.9477** is the 20% darker color. If you saturate the color by 10%, you get **70.0647, 68.7764, 93.5880**, and if you desaturate by 10%, it is **91.8736, 98.5962, 98.1944**.

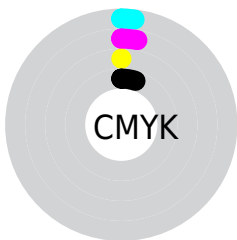
Distribution



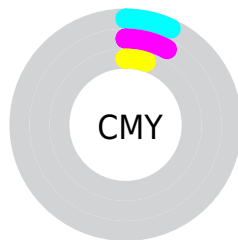
- Red (93%)
- Green (92%)
- Blue (95%)



- Red (93%)
- Yellow (92%)
- Blue (95%)



- Cyan (2%)
- Magenta (3%)
- Yellow (0%)
- Black (5%)



- Cyan (7%)
- Magenta (8%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.9952, 84.0046, 95.9500 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 80.9952, 84.0046, 95.9500 by changing the saturation by 10% instead.

80.9952, 84.0046,
95.9500

80.9952, 84.0046,
95.9500

486.9660,
508.3285, 568.2637

60.8489, 63.0192,
72.3247

133.7072,
138.9816, 157.5833

44.3553, 45.8568,
52.9355

167.0037,
173.7420, 196.4283

31.1491, 32.1328,
37.3639

205.4142,
213.8630, 241.1836

20.8648, 21.4630,
25.1914

249.3043,
259.7287, 292.2678

13.1371, 13.4628,
15.9994

299.0391,
311.7238, 350.0993

7.6007, 7.7480,
9.3694

354.9841,

3.8901, 3.9341,

370.2325, 415.0968

4.8828

417.5046,
435.6393, 487.6787

■ 1.6402, 1.6368,
2.1211

■ 0.4184, 0.3822,
0.6283

■ 80.9952, 84.0046,
95.9500

■ 80.9952, 84.0046,
95.9500

■ 70.0647, 68.7764,
93.5880

■ 91.8736, 98.5962,
98.1944

■ 60.3857, 55.5341,
91.5421

■ 93.0273, 99.1909,
98.2484

■ 51.9119, 44.1962,
89.8003

■ 44.5914, 34.6716,
88.3477

■ 38.3681, 26.8614,
87.1682

■ 33.1807, 20.6569,
86.2440

■ 28.9613, 15.9366,
85.5553

■ 25.6323, 12.5605,
85.0791

■ 23.1015, 10.3601,
84.7878

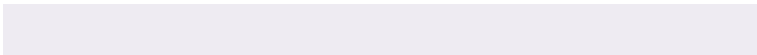
Harmonies

Analogous

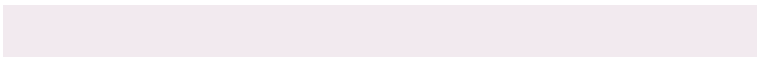
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.0661, 84.0046, 97.0378



80.9952, 84.0046, 95.9500



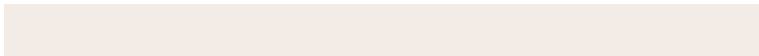
81.6195, 84.0046, 93.6641

Triad

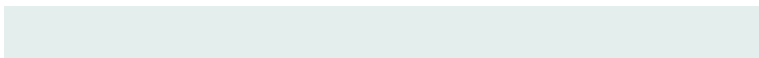
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



80.9952, 84.0046, 95.9500



80.6075, 84.0046, 86.5111



77.9519, 84.0046, 92.1042

Complementary

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



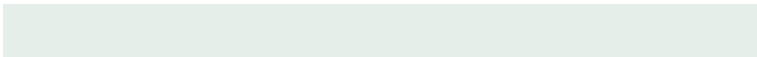
80.9952, 84.0046, 95.9500



82.3474, 87.8554, 91.2192

Split Complementary

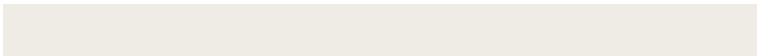
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.0942, 84.0046, 89.3040



80.9952, 84.0046, 95.9500



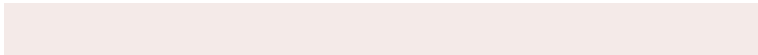
79.6220, 84.0046, 86.1130

Square

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



80.9952, 84.0046, 95.9500



81.3943, 84.0046, 88.2242



78.7035, 84.0046, 87.1253



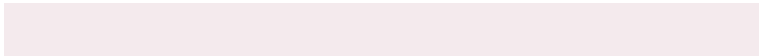
78.3132, 84.0046, 94.7878

Rectangle

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



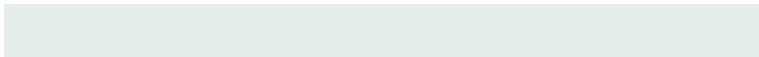
80.9952, 84.0046, 95.9500



81.7759, 84.0046, 91.7892



78.7035, 84.0046, 87.1253



77.9425, 84.0046, 91.1450

Sweetspot

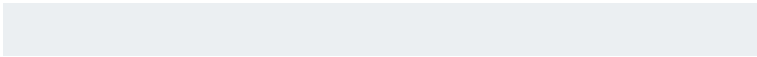
The Sweet Spot groups the original color and five complimentary colors.



80.9976, 84.0082, 95.9518



93.7075, 98.1083, 108.6056



81.1819, 85.8578, 96.2991



20.0714, 21.0192, 23.2492



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.



80.9976, 84.0082, 95.9518



91.0669, 94.3956, 108.0282



82.1559, 84.6053, 96.0060



16.8690, 17.4161, 20.1942



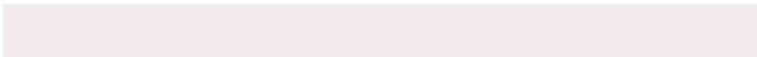
11.8030, 5.0901, 45.4883



1.0935, 0.4810, 3.7894

Inverse Universe

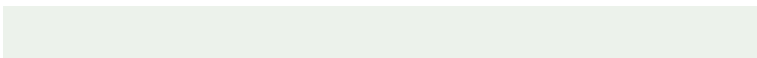
The Inverse Universe completely reimagines the original color for something new.



81.9093, 84.5298, 93.6646



92.1349, 95.0066, 105.3484



81.2045, 87.2662, 91.1657



17.1200, 17.5598, 19.5634



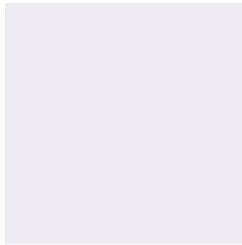
22.2201, 11.1605, 14.3414



1.8982, 0.9483, 1.4549

Previews

White Background



This preview shows how the XYZ color 80.9952, 84.0046, 95.9500 looks on a white background.

Color Contrast Check

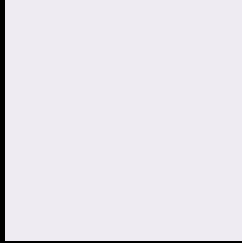
Large Text (above 18pt) WCAG AA × Fail

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 80.9952, 84.0046, 95.9500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

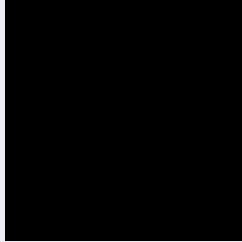
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

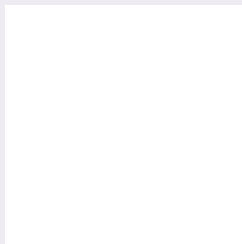
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 80.9952, 84.0046, 95.9500

Background



This preview shows how black text looks on a background with the XYZ color 80.9952, 84.0046, 95.9500.



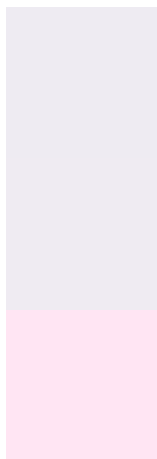
This preview shows how white text looks on a background with the XYZ color 80.9952, 84.0046, 95.9500.

95.9500.

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

80.9952, 84.0046, 95.9500

Protanopia

81.3319, 84.1782, 95.9658

Deuteranopia

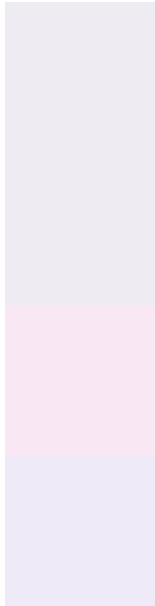
85.4370, 83.7697, 96.4602



Tritanopia

82.6448, 83.8314, 103.9207

Trichromacy



Original Color

80.9952, 84.0046, 95.9500

Protanomaly

81.3319, 84.1782, 95.9658

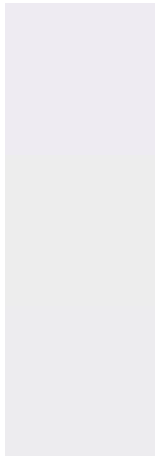
Deuteranomaly

83.8205, 83.7626, 96.5440

Tritanomaly

81.9627, 83.9737, 100.6956

Monochromacy



Original Color

80.9952, 84.0046, 95.9500

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5005, 84.2274, 93.6760

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9952, 84.0046, 95.9500 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(238, 235, 242) looks like.

```
.text, #text, p{  
    color:rgb(238, 235, 242)  
}
```

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(238, 235, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 235, 242) }
```

Border

The CSS property to change the border of an element to XYZ 80.9952, 84.0046, 95.9500 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(238, 235, 242) }
```


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

```
.border{ border-color:rgb(238, 235, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 235, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 235, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 235, 242);  
box-shadow:4px 4px 4px 4px rgb(238, 235,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9952, 84.0046, 95.9500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 235, 242) }
```

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

```
.background{ background-color: rgb(238,  
235, 242) }
```

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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