Converting Colors

XYZ(86.9926, 89.8772, 106.9049)

Have a look what the booklet for XYZ(86.9926, 89.8772, 106.9049) contains.

Color

XYZ(86.9498, 89.8931, 106.5343)

Conversions

Conversions Part 1

Format	Color
Hex	F4F2FE
RGB	244, 242, 254
RGB Percent	96%, 95%, 100%
CMY	0.0431, 0.0510, 0.0039
CMYK	0.04, 0.05, 0.00, 0.00
HSL	250°, 86%, 97%
HSV	250°, 5%, 100%
XYZ	86.9498, 89.8931, 106.5343
YIQ	243.9660, -2.6600, 4.1560

Conversions

Conversions Part 2

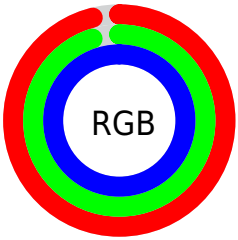
Format	Color
RYB	244, 242, 254
Decimal	16052990
CIELab	95.95, 2.82, -5.53
CIELCh	96, 6.210, 297.056
Yxy	89.8931, 0.3068, 0.3172
Android (android.graphics.Color)	4294243070 (0xFFF4F2FE)
YUV	243.9660, 4.9468, 0.0298
Hunter-Lab	94.8120, -2.2229, -0.2521

Details

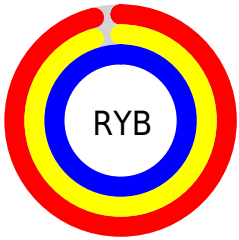
The XYZ color 86.9498, 89.8931, 106.5343 is a light color, and the websafe version is hex FFFFFF. A complement of this color would be 91.6170, 97.9922, 98.0945, and the grayscale version is 85.9274, 90.4023, 98.4481.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 48.3760, 49.8404, 59.8938 is the 20% darker color. If you saturate the color by 10%, you get 72.9797, 72.2393, 103.8644, and if you desaturate by 10%, it is 94.8897, 99.9359, 108.0556.

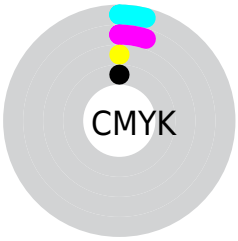
Distribution



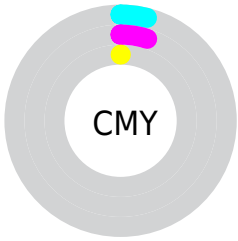
- Red (96%)
- Green (95%)
- Blue (100%)



- Red (96%)
- Yellow (95%)
- Blue (100%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 86.9498, 89.8931, 106.5343 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 86.9498, 89.8931, 106.5343 by changing the saturation by 10% instead.

86.9498, 89.8931, 106.5343

86.9498, 89.8931, 106.5343

506.4449, 527.6830, 602.3699

65.7816, 67.8920, 81.1215

141.9942, 147.1899, 172.2381

48.3621, 49.8099, 60.1101

176.6010, 183.2544, 213.3662

34.3262, 35.2623, 43.0815

216.4182, 224.7754, 260.5699

23.3084, 23.8650, 29.6172

261.8109, 272.1374, 314.2676

14.9433, 15.2335, 19.2986

313.1446, 325.7248, 374.8779

8.8657, 8.9834, 11.7073

370.7845,

4.7101, 4.7304,

385.9219, 442.8194

435.0962, 453.1132, 518.5105

6.4246

2.1112, 2.0900, 3.0320

0.6953, 0.6590, 1.1110

86.9498, 89.8931, 106.5343

86.9498, 89.8931, 106.5343

72.9797, 72.2393, 103.8644

94.8897, 99.9359, 108.0556

60.8294, 57.0157, 101.5664

50.4256, 44.1189, 99.6254

41.6867, 33.4333, 98.0235

34.5249, 24.8334, 96.7410

28.8439, 18.1811, 95.7564

24.5366, 13.3213, 95.0453

21.4807, 10.0746, 94.5797

19.5305, 8.2232, 94.3252

Harmonies

Analogous

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

85.2714, 89.8931, 107.6186

86.9498, 89.8931, 106.5343

88.2387, 89.8931, 103.1059

Triad

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

86.9498, 89.8931, 106.5343

87.2470, 89.8931, 90.1630

82.1888, 89.8931, 97.3939

Complementary

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

86.9498, 89.8931, 106.5343

91.6170, 97.9922, 98.0945

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.

82.7024, 89.8931, 92.8305

86.9498, 89.8931, 106.5343

85.6102, 89.8931, 88.7442

Square

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

86.9498, 89.8931, 106.5343

88.4119, 89.8931, 93.6441

83.9492, 89.8931, 89.7044

82.5368, 89.8931, 102.2383

Rectangle

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

86.9498, 89.8931, 106.5343

88.6958, 89.8931, 100.0096

83.9492, 89.8931, 89.7044

82.2662, 89.8931, 95.7775

Sweetspot

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

86.9524, 89.8969, 106.5363

93.4642, 97.9829, 108.5942

89.3835, 95.7820, 107.5441

20.0219, 20.9936, 23.2469

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.

86.9524, 89.8969, 106.5363

85.8244, 88.2845, 107.1249

88.9973, 90.9511, 106.6320

18.1639, 18.6355, 22.8896

10.0219, 4.0769, 49.6933

1.0512, 0.4358, 4.8420

Inverse Universe

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

90.1990, 91.6074, 105.0278

89.9545, 90.4608, 105.1924

89.5479, 96.9256, 97.9977

19.1403, 19.1500, 22.4311

27.8434, 13.6267, 34.1556

2.7440, 1.3400, 3.4991

Previews

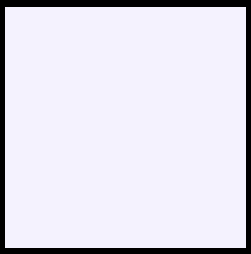
White Background

This preview shows how the XYZ color 86.9498, 89.8931, 106.5343 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



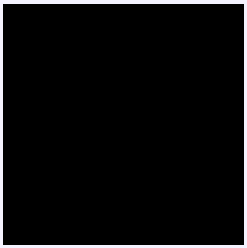
This preview shows how the XYZ color 86.9498, 89.8931, 106.5343 looks on a black background.

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 86.9498, 89.8931, 106.5343 Background



This preview shows how black text looks on a background with the XYZ color 86.9498, 89.8931, 106.5343.

This preview shows how white text looks on a background with the XYZ color 86.9498, 89.8931,

106.5343.

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
86.9498, 89.8931, 106.5343

Protanopia
86.9498, 89.8931, 106.5343

Deuteranopia
89.5191, 89.9580, 103.9123

Tritanopia
87.1104, 89.9574, 107.3800

Trichromacy

Original Color
86.9498, 89.8931, 106.5343

Protanomaly
86.9498, 89.8931, 106.5343

Deuteranomaly
88.5144, 89.8577, 104.7745

Tritanomaly
87.1104, 89.9574, 107.3800

Monochromacy

Original Color
86.9498, 89.8931, 106.5343

Achromatopsia
85.9880, 90.4661, 98.5176

Achromatomaly
86.3021, 90.1116, 101.6516

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.9498, 89.8931, 106.5343 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(244, 242, 254) looks like.

```
.text, #text, p{
    color:rgb(244, 242, 254)
}
```

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(244, 242, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 242, 254) }
```

Border

The CSS property to change the border of an element to XYZ 86.9498, 89.8931, 106.5343 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(244, 242, 254) }
```

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

```
.border{ border-color:rgb(244, 242, 254) }
```

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

Here you see how a box with a 4 pixel rgb(244, 242, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(244, 242, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(244, 242, 254); box-shadow:4px 4px 4px 4px rgb(244, 242, 254) }
```

Background

The CSS property to change the background color of an element to XYZ 86.9498, 89.8931, 106.5343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(244, 242, 254) }
```

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

```
.background{ background-color:rgb(244,
242, 254) }
```

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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