

# Converting Colors

XYZ(86.3040, 91.7378, 95.9880)

Have a look what the booklet for  
XYZ(86.3040, 91.7378, 95.9880)  
contains.

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# **Color**

**XYZ(86.1412, 91.4955,  
96.3394)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4F6F1
RGB	244, 246, 241
RGB Percent	96%, 96%, 95%
CMY	0.0431, 0.0353, 0.0549
CMYK	0.01, 0.00, 0.02, 0.04
HSL	84°, 22%, 95%
HSV	84°, 2%, 96%
XYZ	86.1412, 91.4955, 96.3394
YIQ	244.8320, 0.4130, -1.9790

# Conversions

## Conversions Part 2

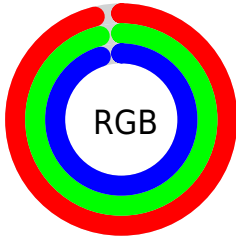
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	241, 246, 243
Decimal	16054001
CIE Lab	96.61, -1.54, 2.16
CIE LCh	97, 2.648, 125.439
Yxy	91.4955, 0.3144, 0.3340
Android (android.graphics.Color)	4294244081 (0xFFFF4F6F1)
YUV	244.8320, -1.8892, -0.7297
Hunter-Lab	95.6533, -6.6439, 7.2420

# Details

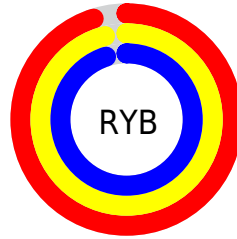
The XYZ color **86.1412, 91.4955, 96.3394** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **85.0555, 88.6216, 99.8162**, and the grayscale version is **86.6728, 91.1865, 99.3021**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.9094, 51.0211, 53.2219** is the 20% darker color. If you saturate the color by 10%, you get **79.3846, 88.4113, 78.1191**, and if you desaturate by 10%, it is **91.8274, 94.1785, 107.9462**.

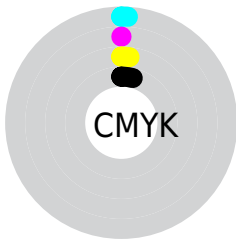
# Distribution



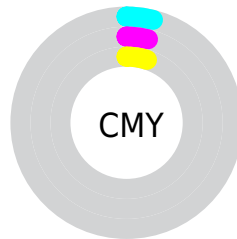
- Red (96%)
- Green (96%)
- Blue (95%)



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



- Cyan (1%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.1412, 91.4955, 96.3394 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 86.1412, 91.4955, 96.3394 by changing the saturation by 10% instead.



86.1412, 91.4955,  
96.3394

86.1412, 91.4955,  
96.3394

503.8237,  
532.8837, 569.5376

65.1104, 69.2217,  
72.6472

140.8723,  
149.4140, 158.1252

47.8156, 50.8923,  
53.1975

175.3034,  
185.8274, 197.0559

33.8916, 36.1229,  
37.5716

214.9319,  
227.7229, 241.9032

22.9728, 24.5291,  
25.3512

260.1232,  
275.4847, 293.0857

14.6940, 15.7266,  
16.1175

311.2427,  
329.4973, 351.0218

8.6898, 9.3309,  
9.4521

368.6557,

4.5949, 4.9576,

390.1451, 416.1301

4.9364

432.7275,  
457.8124, 488.8292

■ 2.0439, 2.2224,  
2.1519

■ 0.6584, 0.7322,  
0.6464

■ 86.1412, 91.4955,  
96.3394

■ 86.1412, 91.4955,  
96.3394

■ 79.3846, 88.4113,  
78.1191

■ 91.8274, 94.1785,  
107.9462

■ 73.2820, 85.6066,  
62.4148

■ 92.2475, 94.3951,  
107.9658

■ 67.8120, 83.0753,  
49.1173

■ 62.9489, 80.8069,  
38.1073

■ 58.6651, 78.7901,  
29.2552

■ 54.9304, 77.0122,  
22.4184

■ 51.7114, 75.4597,  
17.4371

■ 48.9698, 74.1168,  
14.1273

■ 46.6601, 72.9648,  
12.2675

# Harmonies

## Analogous

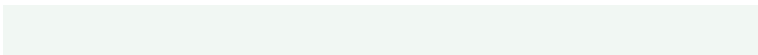
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.8289, 91.4955, 95.6208



86.1412, 91.4955, 96.3394



85.6759, 91.4955, 97.9386

# Triad

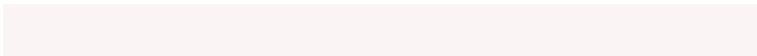
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.1412, 91.4955, 96.3394



86.3736, 91.4955, 103.3759



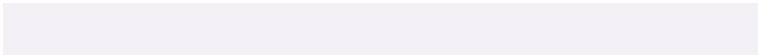
88.3881, 91.4955, 99.2372

# Complementary

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



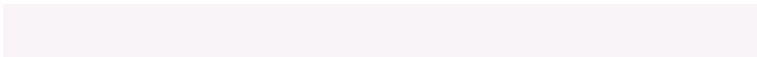
86.1412, 91.4955, 96.3394



85.0555, 88.6216, 99.8162

# Split Complementary

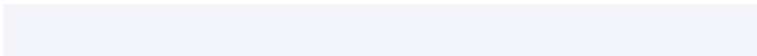
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2644, 91.4955, 101.3267



86.1412, 91.4955, 96.3394



87.0987, 91.4955, 103.7355

# Square

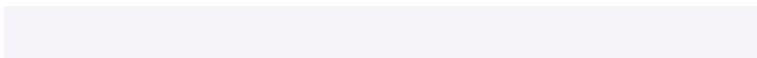
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



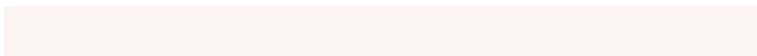
86.1412, 91.4955, 96.3394



85.8095, 91.4955, 102.0049



87.7915, 91.4955, 102.9805



88.1283, 91.4955, 97.2786



# Rectangle

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



86.1412, 91.4955, 96.3394



85.5529, 91.4955, 99.2993



87.7915, 91.4955, 102.9805



88.3900, 91.4955, 99.9474

# Sweetspot

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



86.1438, 91.4994, 96.3414



94.2673, 99.6436, 106.7345



85.9371, 90.0481, 96.0721



20.1854, 21.3316, 22.8684



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.



86.1438, 91.4994, 96.3414



93.4921, 99.2905, 104.5977



85.2823, 91.0553, 96.3011



18.3401, 19.4677, 20.5451



24.2209, 38.5992, 6.1738

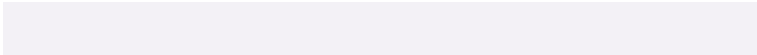


2.2446, 3.4522, 0.5480



# Inverse Universe

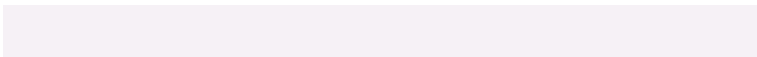
The Inverse Universe completely reimagines the original color for something new.



85.0555, 88.6216, 99.8162



92.3287, 96.2138, 108.3126



85.9240, 89.0693, 99.8569



18.1241, 18.8965, 21.2347



11.7460, 5.0296, 46.8898

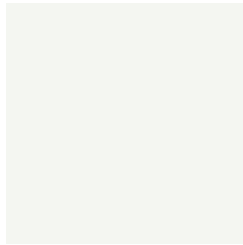


1.1451, 0.5002, 4.1264



# Previews

## White Background



This preview shows how the XYZ color 86.1412, 91.4955, 96.3394 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

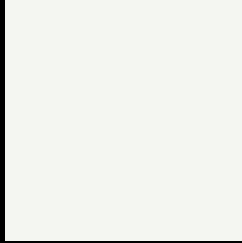
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 86.1412, 91.4955, 96.3394 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

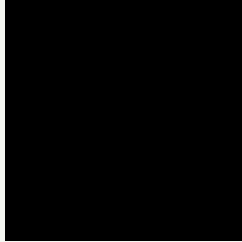
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

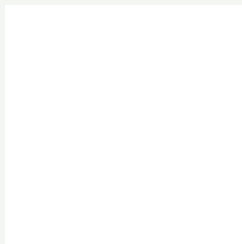
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 86.1412, 91.4955, 96.3394

## Background



This preview shows how black text looks on a background with the XYZ color 86.1412, 91.4955, 96.3394.



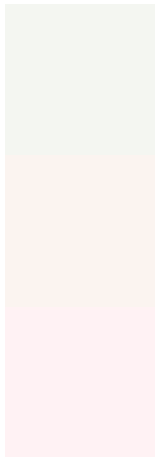
This preview shows how white text looks on a background with the XYZ color 86.1412, 91.4955,



# 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

86.1412, 91.4955, 96.3394

### Protanopia

87.8625, 91.5019, 95.4689

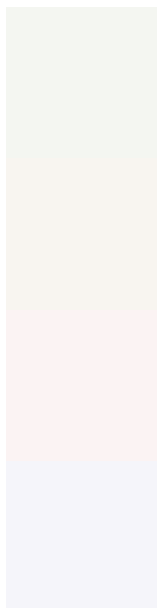
### Deuteranopia

89.3213, 91.2959, 98.5021

## **Tritanopia**

88.4067, 91.5142, 107.6122

# Trichromacy



## Original Color

86.1412, 91.4955, 96.3394

## Protanomaly

87.0920, 91.5525, 95.5192

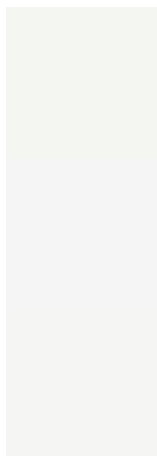
## Deuteranomaly

88.0119, 91.0815, 97.7358

## Tritanomaly

87.5639, 91.6194, 103.5117

# Monochromacy



## Original Color

86.1412, 91.4955, 96.3394

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.6377, 91.2489, 98.6345

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.1412, 91.4955, 96.3394 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, 246, 241) looks like.

```
.text, #text, p{  
    color:rgb(244, 246, 241)  
}
```

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, 246, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 246, 241) }
```

## Border

The CSS property to change the border of an element to XYZ 86.1412, 91.4955, 96.3394 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, 246, 241) }
```



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

```
.border{ border-color:rgb(244, 246, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 246, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 246, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 246, 241);  
box-shadow:4px 4px 4px 4px rgb(244, 246,  
241) }
```

# Background

The CSS property to change the background color of an element to XYZ 86.1412, 91.4955, 96.3394 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 246, 241) }
```

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

```
.background{ background-color: rgb(244,  
246, 241) }
```

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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