

# Converting Colors

XYZ(86.4678, 90.9818, 98.9796)

Have a look what the booklet for  
XYZ(86.4678, 90.9818, 98.9796)  
contains.

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# Color

**XYZ(86.6377, 91.2489,  
98.6345)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F5F4
RGB	245, 245, 244
RGB Percent	96%, 96%, 96%
CMY	0.0392, 0.0392, 0.0431
CMYK	0.00, 0.00, 0.00, 0.04
HSL	60°, 5%, 96%
HSV	60°, 0%, 96%
XYZ	86.6377, 91.2489, 98.6345
YIQ	244.8860, 0.3210, -0.3110

# Conversions

## Conversions Part 2

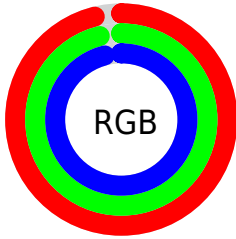
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 245, 244
Decimal	16119284
CIE <sub>Lab</sub>	96.51, -0.17, 0.47
CIE <sub>LCh</sub>	97, 0.500, 109.989
Yxy	91.2489, 0.3133, 0.3300
Android (android.graphics.Color)	4294309364 (0xFFFF5F5F4)
YUV	244.8860, -0.4368, 0.1000
Hunter-Lab	95.5243, -5.2733, 5.6466

# Details

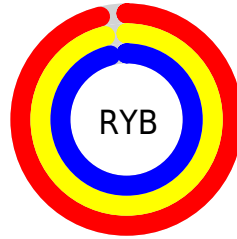
The XYZ color **86.6377, 91.2489, 98.6345** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **86.1438, 90.5295, 99.3245**, and the grayscale version is **86.7049, 91.2203, 99.3389**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.2610, 50.8448, 54.8474** is the 20% darker color. If you saturate the color by 10%, you get **83.1270, 89.8434, 80.3245**, and if you desaturate by 10%, it is **88.3970, 91.9597, 107.6987**.

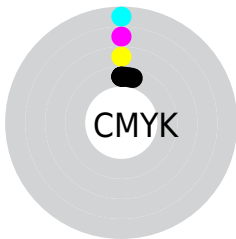
# Distribution



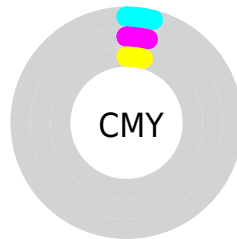
- Red (96%)
- Green (96%)
- Blue (96%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 86.6377, 91.2489, 98.6345 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 86.6377, 91.2489, 98.6345 by changing the saturation by 10% instead.



86.6377, 91.2489,  
98.6345

86.6377, 91.2489,  
98.6345

505.4340,  
532.0851, 577.0151

65.5225, 69.0169,  
74.5501

141.5613,  
149.0720, 161.3149

48.1511, 50.7255,  
54.7449

176.1004,  
185.4319, 200.7480

34.1583, 35.9902,  
38.8003

215.8448,  
227.2698, 246.1344

23.1787, 24.4266,  
26.2978

261.1598,  
274.9703, 297.8926

14.8470, 15.6504,  
16.8188

312.4110,  
328.9177, 356.4413

8.7977, 9.2771,  
9.9448

369.9635,

4.6655, 4.9224,

389.4964, 422.1989

5.2572

434.1827,  
457.0907, 495.5840

■ 2.0851, 2.2018,  
2.3376

■ 0.6811, 0.7210,  
0.7522

■ 86.6377, 91.2489,  
98.6345

■ 86.6377, 91.2489,  
98.6345

■ 83.1270, 89.8434,  
80.3245

■ 88.3970, 91.9597,  
107.6987

■ 80.0890, 88.6240,  
64.5151

■ 88.4332, 91.9783,  
107.7004


■ 77.5057, 87.5865,  
51.0996


■ 88.4694, 91.9970,  
107.7021


■ 75.3547, 86.7219,  
39.9613


■ 88.5056, 92.0157,  
107.7038


 73.6123, 86.0208,  
30.9739

 88.5418, 92.0343,  
107.7055


 72.2520, 85.4725,  
23.9986


 88.5781, 92.0530,  
107.7072


 71.2444, 85.0653,  
18.8806

 88.6143, 92.0717,  
107.7089

 70.5559, 84.7857,  
15.4426

 88.6506, 92.0904,  
107.7106

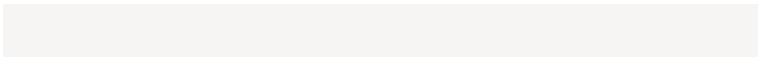
 70.1461, 84.6177,  
13.4727

 88.6869, 92.1092,  
107.7123

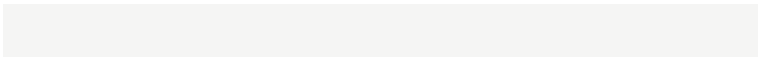
# Harmonies

## Analogous

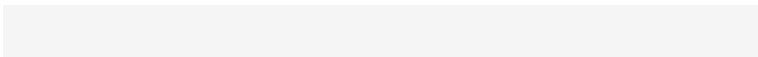
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7760, 91.2489, 98.6001



86.6377, 91.2489, 98.6345



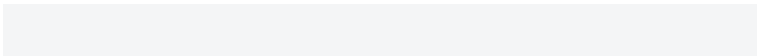
86.5241, 91.2489, 98.8615

# Triad

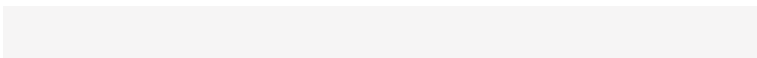
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



86.6377, 91.2489, 98.6345



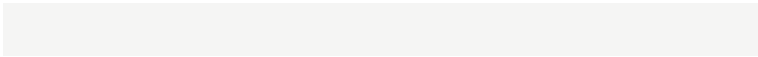
86.5570, 91.2489, 99.9440



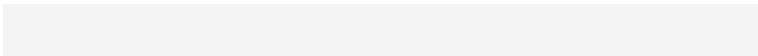
86.9937, 91.2489, 99.4881

# Complementary

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



86.6377, 91.2489, 98.6345



86.1438, 90.5295, 99.3245

# 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.



86.9349, 91.2489, 99.8492



86.6377, 91.2489, 98.6345



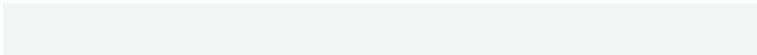
86.6827, 91.2489, 100.1128

# Square

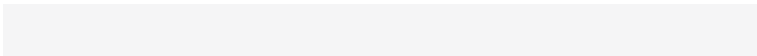
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



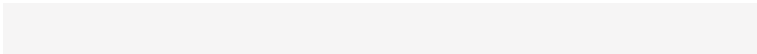
86.6377, 91.2489, 98.6345



86.4776, 91.2489, 99.6173



86.8210, 91.2489, 100.0781

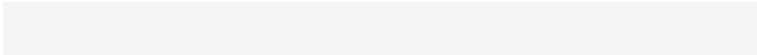


86.9816, 91.2489, 99.0922

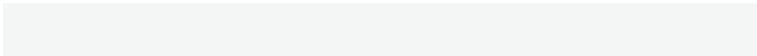


# Rectangle

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



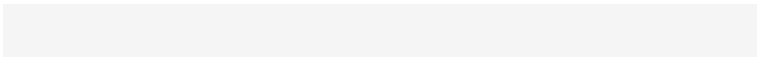
86.6377, 91.2489, 98.6345



86.4776, 91.2489, 99.0919



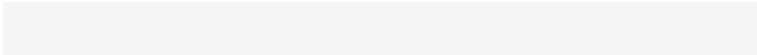
86.8210, 91.2489, 100.0781



86.9816, 91.2489, 99.6176

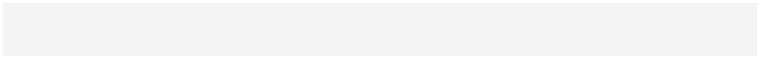
# Sweetspot

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



86.6403, 91.2528, 98.6365

95.0500, 100.0000, 108.9000



86.3388, 90.6477, 98.5356



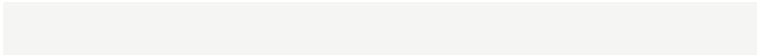
20.3446, 21.4041, 23.3091



0.0000, 0.0000, 0.0000

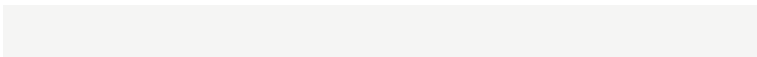
# Same Dimension

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



86.6403, 91.2528, 98.6365

95.0500, 100.0000, 108.9000



86.4668, 91.1634, 98.6284



18.6292, 19.5994, 21.3438



37.6858, 45.5405, 6.8040

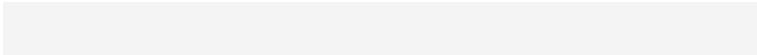


3.3144, 4.0037, 0.5981



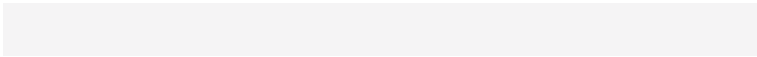
# Inverse Universe

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



86.1438, 90.5295, 99.3245

95.0500, 100.0000, 108.9000



86.3168, 90.6187, 99.3326



18.6292, 19.5994, 21.3438



8.8887, 3.5566, 46.7560

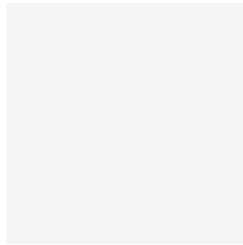


0.7835, 0.3137, 4.1095



# Previews

## White Background



This preview shows how the XYZ color 86.6377, 91.2489, 98.6345 looks on a white background.

## Color Contrast Check

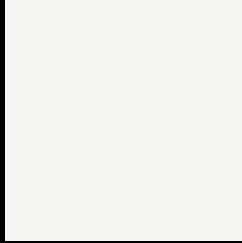
Large Text (above 18pt) WCAG AA × Fail

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 86.6377, 91.2489, 98.6345 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](#).

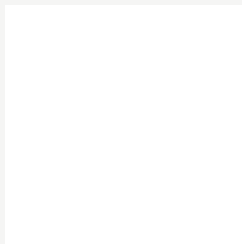


# XYZ 86.6377, 91.2489, 98.6345

## Background



This preview shows how black text looks on a background with the XYZ color 86.6377, 91.2489, 98.6345.



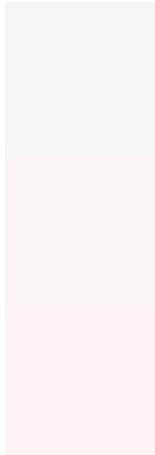
This preview shows how white text looks on a background with the XYZ color 86.6377, 91.2489,

98.645.

# 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

86.6377, 91.2489, 98.6345

### Protanopia

87.5953, 91.3122, 97.8023

### Deuteranopia

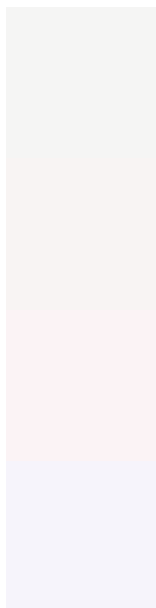
89.4736, 91.3568, 99.3041



## Tritanopia

88.4584, 91.0953, 107.5286

# Trichromacy



## Original Color

86.6377, 91.2489, 98.6345

## Protanomaly

87.2397, 91.1289, 97.7856

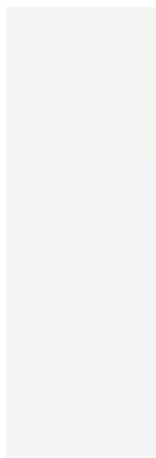
## Deuteranomaly

88.3157, 91.2030, 99.3354

## Tritanomaly

87.7693, 91.2592, 104.2556

# Monochromacy



## Original Color

86.6377, 91.2489, 98.6345

## Achromatopsia

86.7900, 91.3099, 99.4364

## Achromatomaly

86.7900, 91.3099, 99.4364

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 86.6377, 91.2489, 98.6345 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(245, 245, 244) looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 244)  
}
```

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(245, 245, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 244) }
```

## Border

The CSS property to change the border of an element to XYZ 86.6377, 91.2489, 98.6345 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(245, 245, 244) }
```

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

```
.border{ border-color:rgb(245, 245, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 245, 244); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 245, 244); box-shadow:4px 4px 4px 4px rgb(245, 245, 244) }
```



# Background

The CSS property to change the background color of an element to XYZ 86.6377, 91.2489, 98.6345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 244) }
```

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

```
.background{ background-color: rgb(245,  
245, 244) }
```

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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