

# Converting Colors

XYZ(89.0489, 94.4521,  
106.5815)

Have a look what the booklet for  
XYZ(89.0489, 94.4521, 106.5815)  
contains.

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# Color

**XYZ(89.2235, 94.6962,  
106.5041)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4FAFD
RGB	244, 250, 253
RGB Percent	96%, 98%, 99%
CMY	0.0431, 0.0196, 0.0078
CMYK	0.04, 0.01, 0.00, 0.01
HSL	200°, 69%, 97%
HSV	200°, 4%, 99%
XYZ	89.2235, 94.6962, 106.5041
YIQ	248.5480, -4.5390, -0.3390

# Conversions

## Conversions Part 2

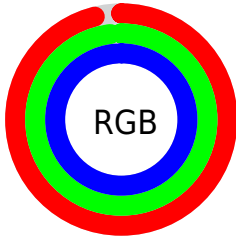
Format	Color
<a href="#">RYB</a>	<a href="#">244, 248, 253</a>
Decimal	<a href="#">16055037</a>
CIELab	<a href="#">97.91, -1.43, -2.13</a>
CIELCh	<a href="#">98, 2.566, 236.220</a>
Yxy	<a href="#">94.6962, 0.3072, 0.3261</a>
Android (android.graphics.Color)	<a href="#">4294245117</a> ( <a href="#">0xFFFF4FAFD</a> )
YUV	<a href="#">248.5480, 2.1948, -3.9886</a>
Hunter-Lab	<a href="#">97.3120, -6.6327, 3.2278</a>

# Details

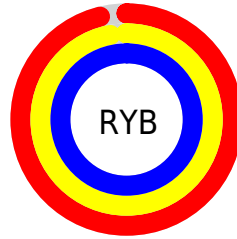
The XYZ color 89.2235, 94.6962, 106.5041 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 90.0981, 93.9349, 98.9720, and the grayscale version is 89.6593, 94.3285, 102.7238.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.9946, 53.2605, 59.8699 is the 20% darker color. If you saturate the color by 10%, you get 78.4821, 85.3626, 105.2701, and if you desaturate by 10%, it is 94.7299, 99.8720, 107.2143.

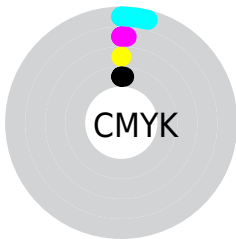
# Distribution



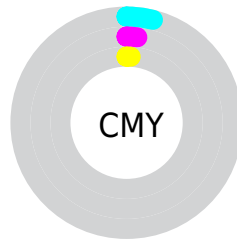
- Red (96%)
- Green (98%)
- Blue (99%)



- Red (96%)
- Yellow (97%)
- Blue (99%)



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



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

# Brightness & Saturation Gradients

These gradients show how the XYZ color 89.2235, 94.6962, 106.5041 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 89.2235, 94.6962, 106.5041 by changing the saturation by 10% instead.



89.2235, 94.6962,  
106.5041

89.2235, 94.6962,  
106.5041

513.7773,  
543.1919, 602.2741

67.6709, 71.8821,  
81.0963

145.1432,  
153.8448, 172.1965

49.9028, 53.0624,  
60.0895

180.2410,  
190.9482, 213.3183

35.5536, 37.8526,  
43.0650

220.5846,  
233.5834, 260.5151

24.2582, 25.8683,  
29.6043

266.5394,  
282.1350, 314.2055

15.6510, 16.7251,  
19.2890

318.4707,  
336.9872, 374.8080

9.3668, 10.0387,  
11.7003

376.7439,

5.0402, 5.4246,

398.5245, 442.7413

6.4199

441.7243,  
467.1313, 518.4238

■ 2.3059, 2.4985,  
3.0292

■ 0.7977, 0.8759,  
1.1096

■ 89.2235, 94.6962,  
106.5041

■ 89.2235, 94.6962,  
106.5041

■ 78.4821, 85.3626,  
105.2701

94.7299, 99.8720,  
107.2143

■ 69.0095, 76.8518,  
104.1266

■ 60.7549, 69.1378,  
103.0727

■ 53.6606, 62.1887,  
102.1053

■ 47.6640, 55.9697,  
101.2210

■ 42.6963, 50.4429,  
100.4161

■ 38.6800, 45.5660,  
99.6864

■ 35.5257, 41.2903,  
99.0274

■ 33.1250, 37.5573,  
98.4333

# Harmonies

## Analogous

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



88.7458, 94.6962, 104.9041



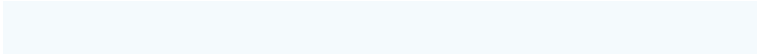
89.2235, 94.6962, 106.5041



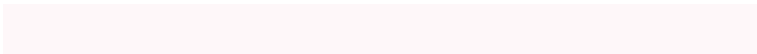
89.9129, 94.6962, 107.1938

# Triad

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



89.2235, 94.6962, 106.5041



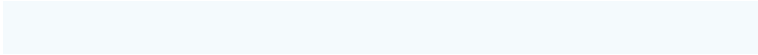
91.4215, 94.6962, 103.3748



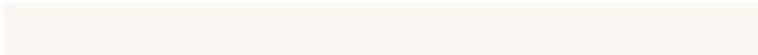
89.3838, 94.6962, 99.5245

# Complementary

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



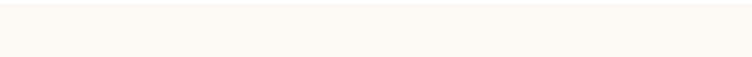
89.2235, 94.6962, 106.5041



90.0981, 93.9349, 98.9720

# Split Complementary

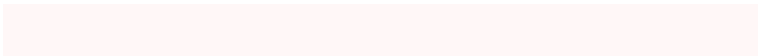
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.0990, 94.6962, 99.1274



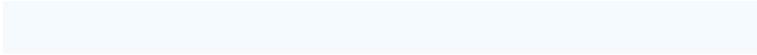
89.2235, 94.6962, 106.5041



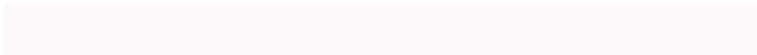
91.2779, 94.6962, 101.3326

# Square

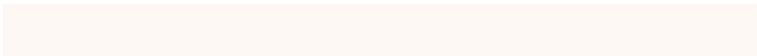
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.2235, 94.6962, 106.5041



91.1840, 94.6962, 105.3717



90.7929, 94.6962, 99.7850

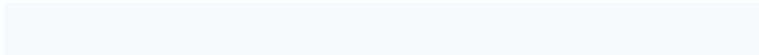


88.8380, 94.6962, 100.8771

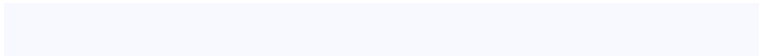


# Rectangle

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



89.2235, 94.6962, 106.5041



90.4007, 94.6962, 107.0378



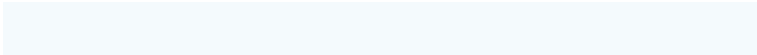
90.7929, 94.6962, 99.7850



89.6123, 94.6962, 99.2757

# Sweetspot

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



89.2262, 94.7002, 106.5062



93.8479, 98.9792, 108.7663



89.2004, 96.1913, 101.7413



20.1000, 21.1964, 23.2819



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.



89.2262, 94.7002, 106.5062



90.3228, 95.9692, 108.3711



87.8888, 92.0253, 106.0604



19.1477, 20.3825, 23.1750



17.0968, 19.1032, 52.2208

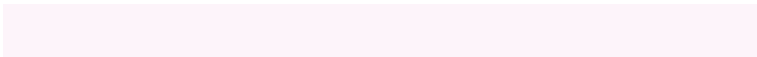


1.7652, 2.0610, 5.1181



# Inverse Universe

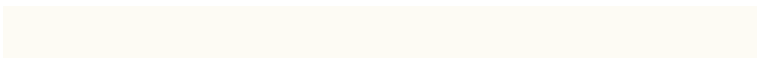
The Inverse Universe completely reimagines the original color for something new.



90.1161, 92.4880, 103.5496



91.3400, 93.4471, 104.9902



91.4452, 96.6291, 99.4211



19.4055, 19.7460, 22.3174



25.4179, 12.6564, 21.3828

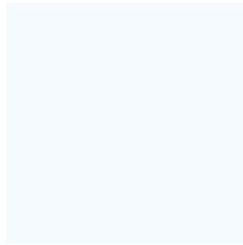


2.5256, 1.2526, 2.3491



# Previews

## White Background



This preview shows how the XYZ color 89.2235, 94.6962, 106.5041 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

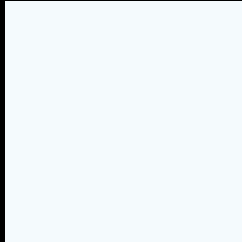
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 89.2235, 94.6962, 106.5041 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

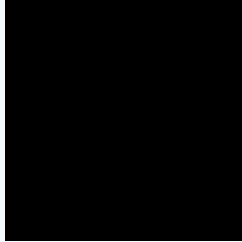
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

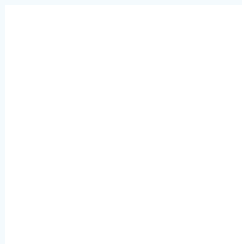
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 89.2235, 94.6962, 106.5041

## Background



This preview shows how black text looks on a background with the XYZ color 89.2235, 94.6962, 106.5041.



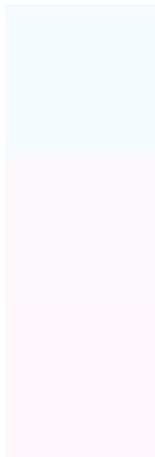
This preview shows how white text looks on a background with the XYZ color 89.2235, 94.6962,



# 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

89.2235, 94.6962, 106.5041

### Protanopia

91.2830, 94.8585, 105.5939

### Deuteranopia

91.9134, 94.7466, 104.7103

## **Tritanopia**

90.6371, 94.9278, 108.1536

# Trichromacy



**Original Color**

89.2235, 94.6962, 106.5041

**Protanomaly**

90.5133, 94.9194, 105.6462

**Deuteranomaly**

90.9218, 94.6723, 105.5770

**Tritanomaly**

90.1228, 94.6813, 107.2913

# Monochromacy



**Original Color**

89.2235, 94.6962, 106.5041

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.4888, 94.4276, 103.9523

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 89.2235, 94.6962, 106.5041 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, 250, 253) looks like.

```
.text, #text, p{  
    color:rgb(244, 250, 253)  
}
```

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, 250, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 250, 253) }
```

## Border

The CSS property to change the border of an element to XYZ 89.2235, 94.6962, 106.5041 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, 250, 253) }
```



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

```
.border{ border-color:rgb(244, 250, 253) }
```

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

Here you see how a box with a 4 pixel rgb(244, 250, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 250, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 250, 253);  
box-shadow:4px 4px 4px 4px rgb(244, 250,  
253) }
```

# Background

The CSS property to change the background color of an element to XYZ 89.2235, 94.6962, 106.5041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 250, 253) }
```

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

```
.background{ background-color: rgb(244,  
250, 253) }
```

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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