

Converting Colors

XYZ(87.5047, 96.1605,
106.2773)

Have a look what the booklet for
XYZ(87.5047, 96.1605, 106.2773)
contains.

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Color

**XYZ(87.5916, 96.2104,
106.0494)**

Conversions

Conversions Part 1

Format	Color
Hex	EBFFFC
RGB	235, 255, 252
RGB Percent	92%, 100%, 99%
CMY	0.0784, 0.0000, 0.0118
CMYK	0.08, 0.00, 0.01, 0.00
HSL	171°, 100%, 96%
HSV	171°, 8%, 100%
XYZ	87.5916, 96.2104, 106.0494
YIQ	248.6780, -10.9570, -5.1730

Conversions

Conversions Part 2

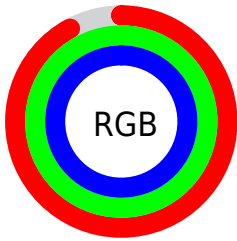
Format	Color
R _Y B	235, 246, 255
Decimal	15466492
CIE Lab	98.52, -7.03, -0.81
CIE LCh	99, 7.080, 186.560
Yxy	96.2104, 0.3022, 0.3319
Android (android.graphics.Color)	4293656572 (0xFFEBFFFC)
YUV	248.6780, 1.6377, -11.9956
Hunter-Lab	98.0869, -12.2516, 4.5578

Details

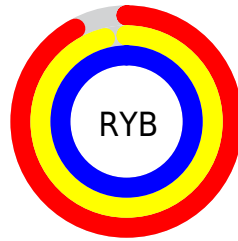
The XYZ color **87.5916, 96.2104, 106.0494** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **86.3815, 86.8508, 93.1000**, and the grayscale version is **89.7712, 94.4463, 102.8520**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.6348, 53.9120, 59.4725** is the 20% darker color. If you saturate the color by 10%, you get **79.1678, 91.9370, 102.5255**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

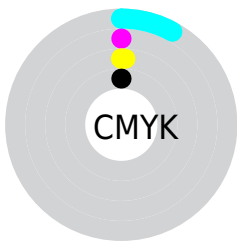
Distribution



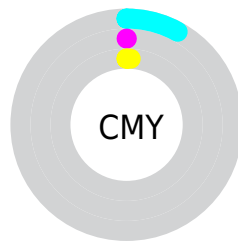
- Red (92%)
- Green (100%)
- Blue (99%)



- Red (92%)
- Yellow (96%)
- Blue (100%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (8%)
- Magenta (0%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 87.5916, 96.2104, 106.0494 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 87.5916, 96.2104, 106.0494 by changing the saturation by 10% instead.

87.5916, 96.2104,
106.0494

87.5916, 96.2104,
106.0494

508.5203,
548.0327, 600.8299

66.3146, 73.1428,
80.7172

142.8839,
155.9358, 171.5700

48.7964, 54.0927,
59.7791

177.6298,
193.3623, 212.5955

34.6719, 38.6758,
42.8165

217.5961,
236.3440, 259.6893

23.5756, 26.5076,
29.4108

263.1481,
285.2651, 313.2698

15.1421, 17.2038,
19.1436

314.6512,
340.5102, 373.7555

9.0061, 10.3799,
11.5962

372.4707,

4.8023, 5.6516,

402.4636, 441.5651

6.3502

436.9719,
471.5096, 517.1170

■ 2.1653, 2.6344,
2.9869

■ 0.7244, 0.9440,
1.0880

■ 87.5916, 96.2104,
106.0494

■ 87.5916, 96.2104,
106.0494

■ 79.1678, 91.9370,
102.5255

95.0500, 100.0000,
108.9000

■ 71.9108, 88.2639,
99.1180

■ 65.7669, 85.1631,
95.8255

■ 60.6768, 82.6042,
92.6448

■ 56.5757, 80.5537,
89.5726

■ 53.3916, 78.9746,
86.6050

■ 51.0426, 77.8247,
83.7379

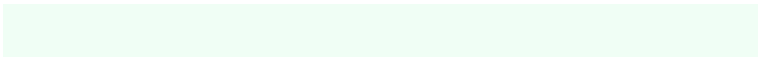
■ 49.4320, 77.0541,
80.9664

■ 48.4308, 76.5963,
78.2840

Harmonies

Analogous

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



87.8824, 96.2104, 100.3378



87.5916, 96.2104, 106.0494



88.3209, 96.2104, 111.6135

Triad

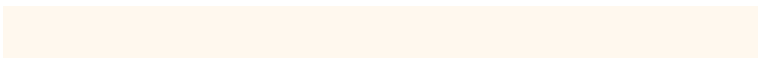
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



87.5916, 96.2104, 106.0494



93.8089, 96.2104, 114.0713



93.0192, 96.2104, 94.7544

Complementary

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



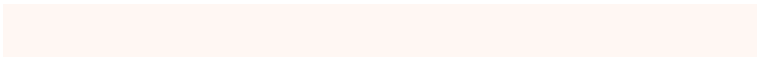
87.5916, 96.2104, 106.0494



86.3815, 86.8508, 93.1000

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.



94.6421, 96.2104, 98.1868



87.5916, 96.2104, 106.0494



95.1028, 96.2104, 109.3036

Square

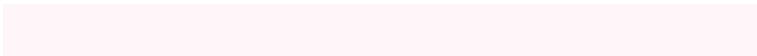
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5916, 96.2104, 106.0494



91.8953, 96.2104, 116.3552



95.4100, 96.2104, 103.4747



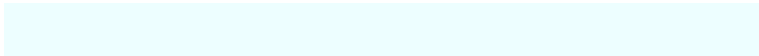
90.9963, 96.2104, 93.9559

Rectangle

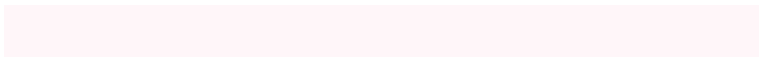
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



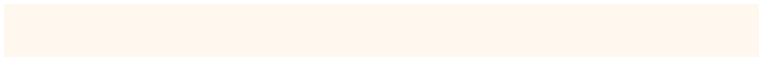
87.5916, 96.2104, 106.0494



89.2939, 96.2104, 114.4442



95.4100, 96.2104, 103.4747



93.6306, 96.2104, 95.6320

Sweetspot

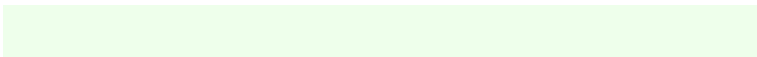
The Sweet Spot groups the original color and five complimentary colors.



87.5925, 96.2109, 106.0509



93.0756, 98.9964, 108.1663



86.0161, 95.6957, 92.5363



19.9427, 21.1998, 23.1598



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

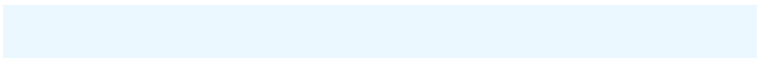
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.5925, 96.2109, 106.0509



86.5559, 95.6845, 105.6367



85.8792, 92.0177, 107.8426



18.4309, 20.4319, 22.5721



25.2584, 40.0000, 40.8417



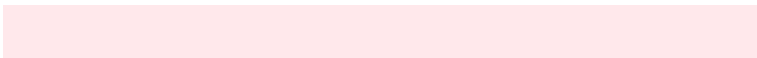
2.4897, 3.9068, 4.1366

Inverse Universe

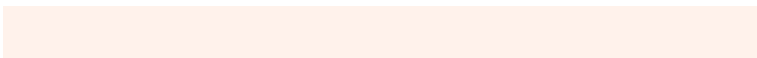
The Inverse Universe completely reimagines the original color for something new.



86.3815, 86.8508, 93.1000



85.1771, 85.0279, 90.8922



87.9882, 90.7632, 91.4803



18.1203, 18.0314, 19.2508



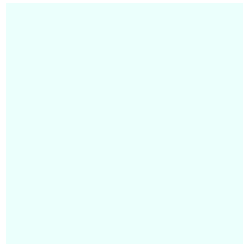
21.7665, 11.1959, 2.1551



2.1505, 1.1026, 0.3739

Previews

White Background



This preview shows how the XYZ color 87.5916, 96.2104, 106.0494 looks on a white background.

Color Contrast Check

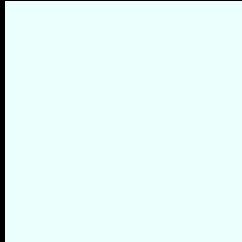
Large Text (above 18pt) WCAG AA × Fail

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 87.5916, 96.2104, 106.0494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

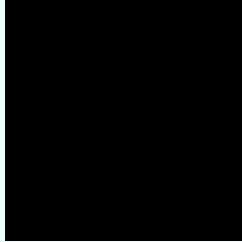
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.5916, 96.2104, 106.0494

Background



This preview shows how black text looks on a background with the XYZ color 87.5916, 96.2104, 106.0494.



This preview shows how white text looks on a background with the XYZ color 87.5916, 96.2104,

106.0494.

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

87.5916, 96.2104, 106.0494

Protanopia

92.2146, 95.8509, 103.2634

Deuteranopia

92.5283, 95.9764, 104.9153

Tritanopia

91.2586, 96.1708, 108.3607

Trichromacy



A vertical color bar on the left side of the Trichromacy section, divided into four horizontal segments. From top to bottom, the segments are: a light cyan color, a light blue color, a light green color, and a light yellow color.

Original Color

87.5916, 96.2104, 106.0494

Protanomaly

90.4639, 95.8529, 104.1760

Deuteranomaly

90.6212, 95.9159, 105.0042

Tritanomaly

89.6619, 95.8313, 107.5375

Monochromacy



A vertical color bar on the left side of the Monochromacy section, divided into three horizontal segments. From top to bottom, the segments are: a light cyan color, a light blue color, and a light yellow color.

Original Color

87.5916, 96.2104, 106.0494

Achromatopsia

90.0415, 94.7307, 103.1617

Achromatomaly

89.0607, 95.1296, 104.1103

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.5916, 96.2104, 106.0494 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(235, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(235, 255, 252)  
}
```

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(235, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 255, 252) }
```

Border

The CSS property to change the border of an element to XYZ 87.5916, 96.2104, 106.0494 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(235, 255, 252) }
```


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

```
.border{ border-color:rgb(235, 255, 252) }
```

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

Here you see how a box with a 4 pixel rgb(235, 255, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(235, 255,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 87.5916, 96.2104, 106.0494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 255, 252) }
```

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

```
.background{ background-color: rgb(235,  
255, 252) }
```

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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