

# Converting Colors

XYZ(88.3786, 96.6077,  
106.4657)

Have a look what the booklet for  
XYZ(88.3786, 96.6077, 106.4657)  
contains.

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# **Color**

**XYZ(88.2557, 96.5528,  
106.0804)**

# Conversions

## Conversions Part 1

Format	Color
Hex	EDFFFC
RGB	237, 255, 252
RGB Percent	93%, 100%, 99%
CMY	0.0706, 0.0000, 0.0118
CMYK	0.07, 0.00, 0.01, 0.00
HSL	170°, 100%, 96%
HSV	170°, 7%, 100%
XYZ	88.2557, 96.5528, 106.0804
YIQ	249.2760, -9.7650, -4.7490

# Conversions

## Conversions Part 2

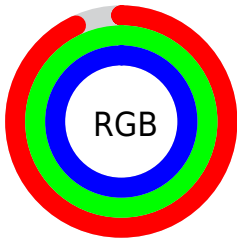
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 247, 255
Decimal	15597564
CIE Lab	98.65, -6.39, -0.59
CIE LCh	99, 6.419, 185.311
Yxy	96.5528, 0.3034, 0.3319
Android (android.graphics.Color)	4293787644 (0xFFEDFFFC)
YUV	249.2760, 1.3429, -10.7661
Hunter-Lab	98.2613, -11.6332, 4.7749

# Details

The XYZ color 88.2557, 96.5528, 106.0804 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.2529, 88.1207, 94.8484, and the grayscale version is 90.2641, 94.9648, 103.4167.

A 20% lighter version of the original color is 95.0500, 100.0000, 108.9000, and 49.1005, 54.1521, 59.4943 is the 20% darker color. If you saturate the color by 10%, you get 79.6731, 92.2052, 102.2049, and if you desaturate by 10%, it is 95.0500, 100.0000, 108.9000.

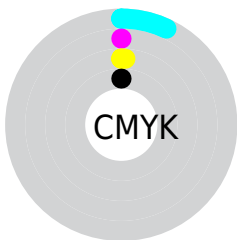
# Distribution



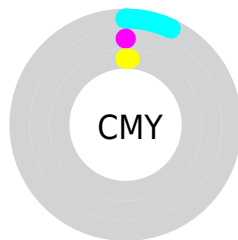
- Red (93%)
- Green (100%)
- Blue (99%)



- Red (93%)
- Yellow (97%)
- Blue (100%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 88.2557, 96.5528, 106.0804 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 88.2557, 96.5528, 106.0804 by changing the saturation by 10% instead.



88.2557, 96.5528,  
106.0804

88.2557, 96.5528,  
106.0804

510.6631,  
549.1242, 600.9284

66.8663, 73.4280,  
80.7431

143.8038,  
156.4081, 171.6127

49.2463, 54.3260,  
59.8003

178.6933,  
193.9075, 212.6448

35.0303, 38.8624,  
42.8334

218.8135,  
236.9672, 259.7456

23.8528, 26.6527,  
29.4240

264.5298,  
285.9716, 313.3336

15.3486, 17.3126,  
19.1535

316.2075,  
341.3051, 373.8273

9.1523, 10.4576,  
11.6033

374.2121,

4.8986, 5.7034,

403.3521, 441.6453

6.3549

438.9088,  
472.4970, 517.2062

■ 2.2220, 2.6656,  
2.9898

■ 0.7543, 0.9597,  
1.0894

■ 88.2557, 96.5528,  
106.0804

■ 88.2557, 96.5528,  
106.0804

■ 79.6731, 92.2052,  
102.2049

95.0500, 100.0000,  
108.9000

■ 72.2643, 88.4610,  
98.4610

■ 65.9759, 85.2927,  
94.8471

■ 60.7488, 82.6698,  
91.3598

■ 56.5188, 80.5592,  
87.9958

■ 53.2144, 78.9241,  
84.7510

■ 50.7547, 77.7229,  
81.6213

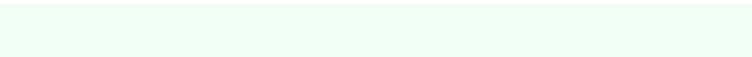
■ 49.0445, 76.9063,  
78.6015

■ 47.9622, 76.4117,  
75.6856

# Harmonies

## Analogous

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



88.5596, 96.5528, 100.9095



88.2557, 96.5528, 106.0804



88.8832, 96.5528, 111.1611

# Triad

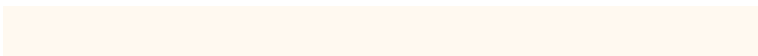
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.2557, 96.5528, 106.0804



93.8531, 96.5528, 113.7104



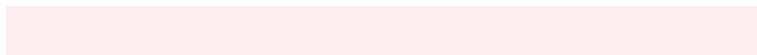
93.2723, 96.5528, 96.0961

# Complementary

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



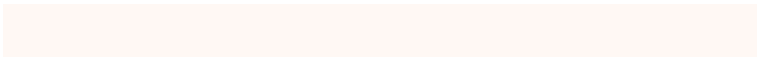
88.2557, 96.5528, 106.0804



87.2529, 88.1207, 94.8484

# 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.



94.7197, 96.5528, 99.3203



88.2557, 96.5528, 106.0804



95.0582, 96.5528, 109.4657

# Square

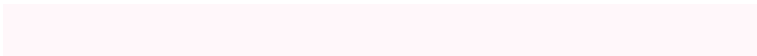
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



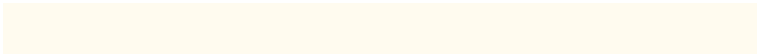
88.2557, 96.5528, 106.0804



92.1019, 96.5528, 115.6604



95.3775, 96.5528, 104.1845



91.4399, 96.5528, 95.2582

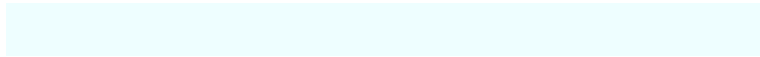


# Rectangle

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



88.2557, 96.5528, 106.0804



89.7503, 96.5528, 113.7776



95.3775, 96.5528, 104.1845



93.8208, 96.5528, 96.9313

# Sweetspot

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



88.2566, 96.5532, 106.0819



93.0620, 98.9909, 108.0945



86.9820, 96.1601, 94.0984



19.9399, 21.1987, 23.1452



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.



88.2566, 96.5532, 106.0819



87.3966, 96.1172, 105.7110



86.8515, 92.9766, 107.9764



18.4173, 20.4264, 22.5002



24.9773, 39.8875, 39.3614



2.4649, 3.8969, 4.0061

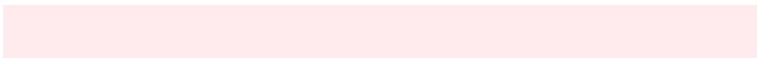


# Inverse Universe

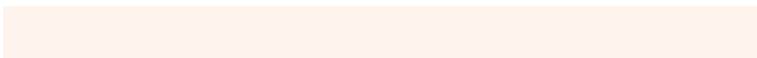
The Inverse Universe completely reimagines the original color for something new.



87.2529, 88.1207, 94.8484



86.2663, 86.6208, 93.0604



88.5773, 91.4764, 93.1103



18.1328, 18.0364, 19.3165



21.8076, 11.2123, 2.3713

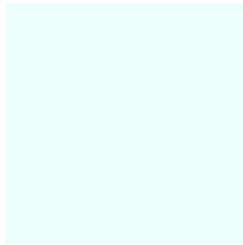


2.1564, 1.1049, 0.4048



# Previews

## White Background



This preview shows how the XYZ color 88.2557, 96.5528, 106.0804 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

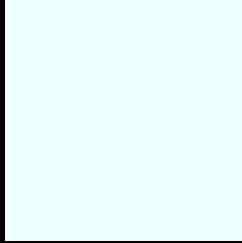
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 88.2557, 96.5528, 106.0804 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 88.2557, 96.5528, 106.0804

## Background



This preview shows how black text looks on a background with the XYZ color 88.2557, 96.5528, 106.0804.



This preview shows how white text looks on a background with the XYZ color 88.2557, 96.5528,



# 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

88.2557, 96.5528, 106.0804



### Protanopia

92.5245, 96.4708, 103.3667

### Deuteranopia

92.9963, 96.6595, 105.8512

## **Tritanopia**

91.6141, 96.3541, 108.3774

# Trichromacy



**Original Color**

88.2557, 96.5528, 106.0804

**Protanomaly**

90.7771, 96.4794, 104.2804

**Deuteranomaly**

91.0925, 96.6055, 105.9411

**Tritanomaly**

90.3560, 96.1890, 107.5700

# Monochromacy



**Original Color**

88.2557, 96.5528, 106.0804

**Achromatopsia**

90.0415, 94.7307, 103.1617

**Achromatomaly**

89.4087, 95.3090, 104.1266

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 88.2557, 96.5528, 106.0804 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(237, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 252) }
```

## Border

The CSS property to change the border of an element to XYZ 88.2557, 96.5528, 106.0804 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(237, 255, 252) }
```



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

```
.border{ border-color:rgb(237, 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(237, 255, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
252) }
```

# Background

The CSS property to change the background color of an element to XYZ 88.2557, 96.5528, 106.0804 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 252) }
```

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

```
.background{ background-color: rgb(237,  
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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