

# Converting Colors

XYZ(82.8950, 88.2459,  
106.4301)

Have a look what the booklet for  
XYZ(82.8950, 88.2459, 106.4301)  
contains.

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# Color

**XYZ(82.8950, 88.2459,  
106.4301)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7F3FE
RGB	231, 243, 254
RGB Percent	91%, 95%, 100%
CMY	0.0941, 0.0470, 0.0039
CMYK	0.09, 0.04, 0.00, 0.00
HSL	209°, 92%, 95%
HSV	209°, 9%, 100%
XYZ	82.8950, 88.2459, 106.4301
YIQ	240.6660, -10.6830, 0.8770

# Conversions

## Conversions Part 2

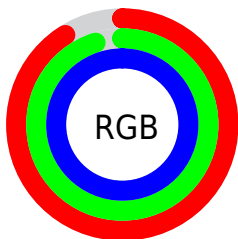
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 239, 254
Decimal	15201278
CIE Lab	95.26, -1.88, -6.65
CIE LCh	95, 6.911, 254.255
Yxy	88.2459, 0.2986, 0.3179
Android (android.graphics.Color)	4293391358 (0xFFE7F3FE)
YUV	240.6660, 6.5737, -8.4771
Hunter-Lab	93.9393, -6.8797, -1.4161

# Details

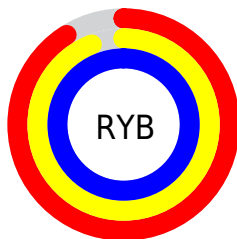
The XYZ color **82.8950, 88.2459, 106.4301** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.0494, 90.3440, 88.4530**, and the grayscale version is **83.3048, 87.6431, 95.4433**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.5276, 48.6858, 59.8211** is the 20% darker color. If you saturate the color by 10%, you get **71.7701, 77.2952, 104.9041**, and if you desaturate by 10%, it is **94.8897, 99.9359, 108.0557**.

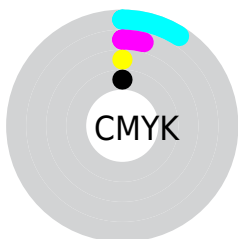
# Distribution



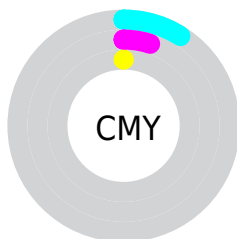
- Red (91%)
- Green (95%)
- Blue (100%)



- Red (91%)
- Yellow (94%)
- Blue (100%)



- Cyan (9%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (9%)
- Magenta (5%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8950, 88.2459, 106.4301 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 82.8950, 88.2459, 106.4301 by changing the saturation by 10% instead.



82.8950, 88.2459,  
106.4301

82.8950, 88.2459,  
106.4301

493.2257,  
522.3082, 602.0392

62.4202, 66.5267,  
81.0346

136.3577,  
144.8995, 172.0946

45.6292, 48.7001,  
60.0390

170.0762,  
180.6026, 213.2007

32.1567, 34.3817,  
43.0245

208.9400,  
221.7359, 260.3807

21.6373, 23.1870,  
29.5728

253.3145,  
268.6838, 314.0532

13.7058, 14.7316,  
19.2653

303.5649,  
321.8305, 374.6368

7.9966, 8.6312,  
11.6834

360.0567,

4.1446, 4.5014,

381.5606, 442.5500

6.4085

423.1552,  
448.2583, 518.2112

■ 1.7843, 1.9578,  
3.0223

■ 0.5082, 0.5828,  
1.1060

■ 82.8950, 88.2459,  
106.4301

■ 82.8950, 88.2459,  
106.4301

■ 71.7701, 77.2952,  
104.9041

94.8897, 99.9359,  
108.0557

■ 62.0170, 67.3993,  
103.5081

■ 53.5789, 58.5242,  
102.2397

■ 46.3916, 50.6297,  
101.0948

■ 40.3853, 43.6722,  
100.0684

■ 35.4824, 37.6039,  
99.1555

■ 31.5950, 32.3713,  
98.3504

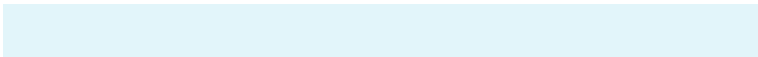
■ 28.6196, 27.9128,  
97.6466

■ 26.4048, 24.1416,  
97.0355

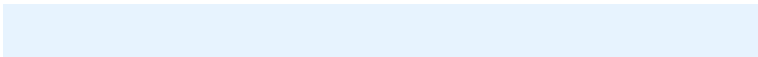
# Harmonies

## Analogous

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



81.3047, 88.2459, 103.5153



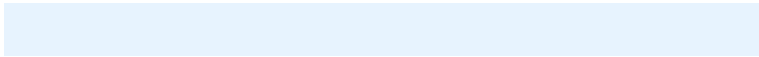
82.8950, 88.2459, 106.4301



84.7711, 88.2459, 106.5049

# Triad

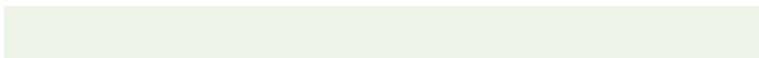
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8950, 88.2459, 106.4301



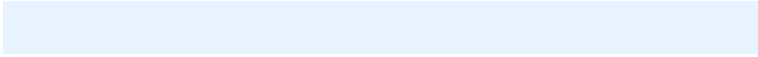
87.4387, 88.2459, 93.5504



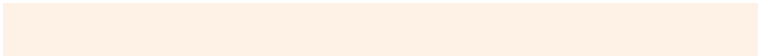
81.3701, 88.2459, 88.8373

# Complementary

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



82.8950, 88.2459, 106.4301



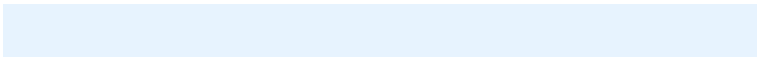
87.0494, 90.3440, 88.4530

# Split Complementary

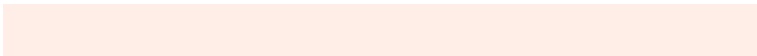
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.9854, 88.2459, 86.3675



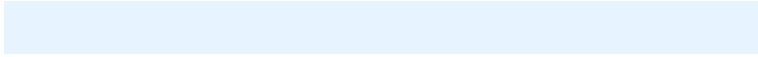
82.8950, 88.2459, 106.4301



86.4990, 88.2459, 89.0187

# Square

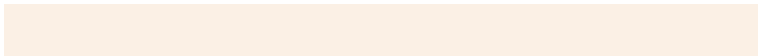
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



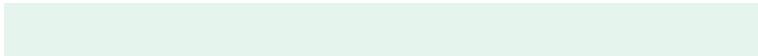
82.8950, 88.2459, 106.4301



87.4136, 88.2459, 98.9303



84.8629, 88.2459, 86.4326

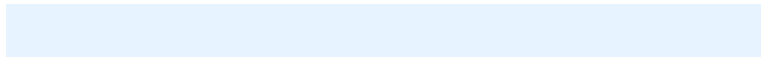


80.4334, 88.2459, 93.2944



# Rectangle

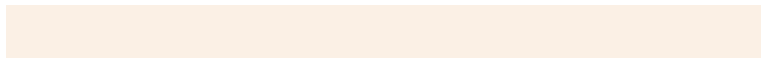
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8950, 88.2459, 106.4301



85.9326, 88.2459, 104.9260



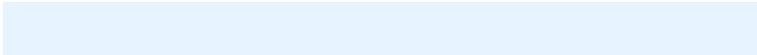
84.8629, 88.2459, 86.4326



81.8506, 88.2459, 87.7547

# Sweetspot

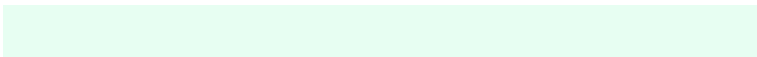
The Sweet Spot groups the original color and five complimentary colors.



82.8976, 88.2496, 106.4321



91.1356, 96.2664, 108.3857



84.3853, 94.2689, 97.5442



19.2877, 20.3951, 23.1700



0.0000, 0.0000, 0.0000

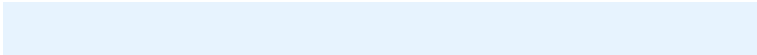


20.3446, 21.4041, 23.3091

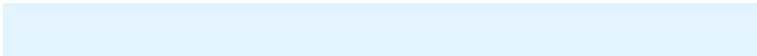


# Same Dimension

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



82.8976, 88.2496, 106.4321



81.3428, 86.8028, 107.0751



79.6369, 81.7282, 105.3452



17.7874, 18.9465, 22.9695



13.9708, 12.8511, 51.1788



1.4697, 1.4701, 5.0196



# Inverse Universe

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



85.6287, 84.6955, 96.6331



84.6608, 82.5570, 95.1543



90.4973, 97.2398, 89.6023



18.4054, 18.1455, 20.7517



23.8400, 12.0253, 13.0738

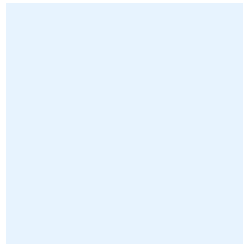


2.3765, 1.1930, 1.5638



# Previews

## White Background



This preview shows how the XYZ color 82.8950, 88.2459, 106.4301 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

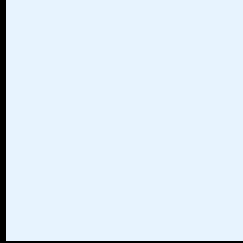
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8950, 88.2459, 106.4301 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

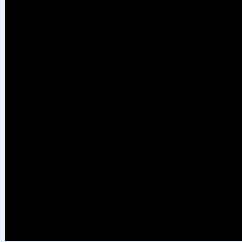
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

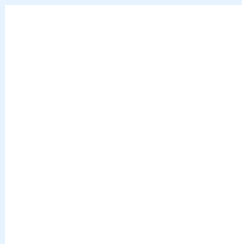
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 82.8950, 88.2459, 106.4301

## Background



This preview shows how black text looks on a background with the XYZ color 82.8950, 88.2459, 106.4301.



This preview shows how white text looks on a background with the XYZ color 82.8950, 88.2459,



# 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

82.8950, 88.2459, 106.4301

### Protanopia

85.3487, 88.2257, 104.6264

### Deuteranopia

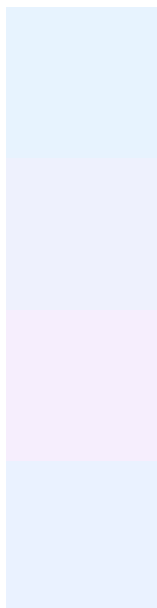
88.6780, 87.7685, 105.1957



## Tritanopia

84.0631, 88.3864, 107.2374

# Trichromacy



## Original Color

82.8950, 88.2459, 106.4301

## Protanomaly

84.4448, 88.1796, 105.4981

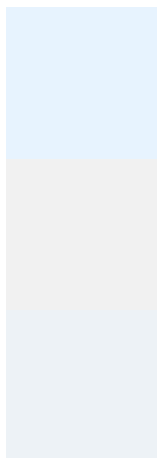
## Deuteranomaly

86.3102, 87.8338, 105.3331

## Tritanomaly

83.7338, 88.2167, 107.2220

# Monochromacy



## Original Color

82.8950, 88.2459, 106.4301

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.3117, 88.1626, 99.8149

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8950, 88.2459, 106.4301 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(231, 243, 254)` looks like.

```
.text, #text, p{  
    color:rgb(231, 243, 254)  
}
```

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(231, 243, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 243, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8950, 88.2459, 106.4301 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(231, 243, 254) }
```



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

```
.border{ border-color:rgb(231, 243, 254) }
```

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

Here you see how a box with a 4 pixel rgb(231, 243, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 243, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 243, 254);  
box-shadow:4px 4px 4px 4px rgb(231, 243,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8950, 88.2459, 106.4301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 243, 254) }
```

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

```
.background{ background-color: rgb(231,  
243, 254) }
```

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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