

# Converting Colors

XYZ(82.0944, 89.4910,  
107.5544)

Have a look what the booklet for  
XYZ(82.0944, 89.4910, 107.5544)  
contains.

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# Color

**XYZ(82.0512, 89.5888,  
107.5756)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0F7FF
RGB	224, 247, 255
RGB Percent	88%, 97%, 100%
CMY	0.1216, 0.0314, 0.0000
CMYK	0.12, 0.03, 0.00, 0.00
HSL	195°, 100%, 94%
HSV	195°, 12%, 100%
XYZ	82.0512, 89.5888, 107.5756
YIQ	241.0350, -16.2760, -2.3880

# Conversions

## Conversions Part 2

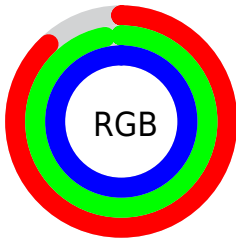
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	224, 237, 255
Decimal	14743551
CIE Lab	95.83, -5.92, -6.39
CIE LCh	96, 8.715, 227.189
Yxy	89.5888, 0.2939, 0.3209
Android (android.graphics.Color)	4292933631 (0xFFE0F7FF)
YUV	241.0350, 6.8847, -14.9397
Hunter-Lab	94.6514, -10.9021, -1.1298

# Details

The XYZ color **82.0512, 89.5888, 107.5756** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.5505, 84.3534, 82.4008**, and the grayscale version is **83.5954, 87.9488, 95.7763**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1860, 49.7738, 60.6518** is the 20% darker color. If you saturate the color by 10%, you get **72.7577, 81.8670, 106.5749**, and if you desaturate by 10%, it is **92.6055, 98.0708, 108.6565**.

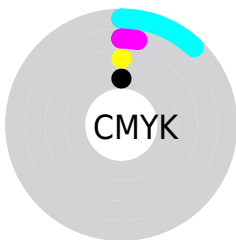
# Distribution



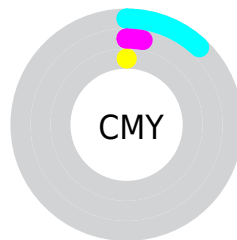
- Red (88%)
- Green (97%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0512, 89.5888, 107.5756 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 82.0512, 89.5888, 107.5756 by changing the saturation by 10% instead.



82.0512, 89.5888,  
107.5756

82.0512, 89.5888,  
107.5756

490.4508,  
526.6923, 605.6701

61.7220, 67.6396,  
81.9901

135.1812,  
146.7671, 173.6718

45.0628, 49.6046,  
60.8216

168.7128,  
182.7650, 215.0196

31.7084, 35.0993,  
43.6516

207.3758,  
224.2146, 262.4586

21.2934, 23.7394,  
30.0615

251.5357,  
271.5004, 316.4073

13.4523, 15.1404,  
19.6328

301.5578,  
325.0066, 377.2843

7.8199, 8.9180,  
11.9470

357.8075,

4.0307, 4.6877,

385.1178, 445.5080

6.5855

420.6500,  
452.2182, 521.4971

■ 1.7195, 2.0652,  
3.1298

■ 0.4684, 0.6450,  
1.1613

■ 82.0512, 89.5888,  
107.5756

■ 82.0512, 89.5888,  
107.5756

■ 72.7577, 81.8670,  
106.5749

■ 92.6055, 98.0708,  
108.6565

■ 64.6647, 74.8658,  
105.6501

95.0500, 100.0000,  
108.9000

■ 57.7173, 68.5584,  
104.7988

■ 51.8533, 62.9116,  
104.0179

■ 47.0043, 57.8889,  
103.3040

■ 43.0938, 53.4499,  
102.6533

■ 40.0337, 49.5479,  
102.0614

■ 37.7176, 46.1269,  
101.5232

■ 36.2977, 43.7155,  
101.1326

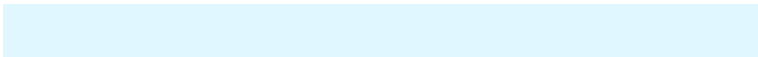
# Harmonies

## Analogous

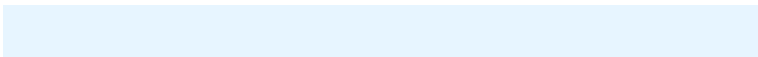
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.8150, 89.5888, 101.5083



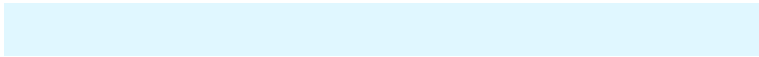
82.0512, 89.5888, 107.5756



84.1315, 89.5888, 111.0216

# Triad

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



82.0512, 89.5888, 107.5756



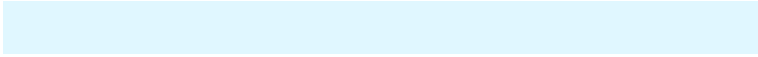
89.7349, 89.5888, 100.5094



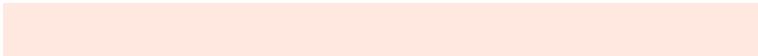
83.7939, 89.5888, 85.4485

# Complementary

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



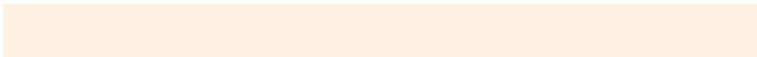
82.0512, 89.5888, 107.5756



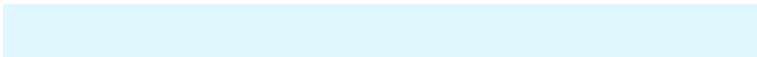
83.5505, 84.3534, 82.4008

# Split Complementary

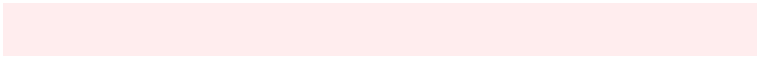
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



86.1797, 89.5888, 85.2093



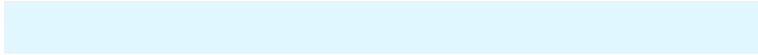
82.0512, 89.5888, 107.5756



89.6403, 89.5888, 93.6901

# Square

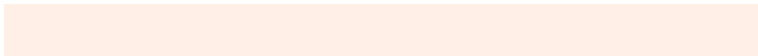
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.0512, 89.5888, 107.5756



88.5847, 89.5888, 106.8148



88.3289, 89.5888, 88.1618

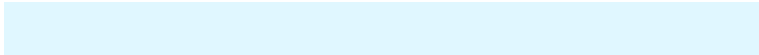


81.8081, 89.5888, 88.8313

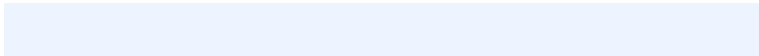


# Rectangle

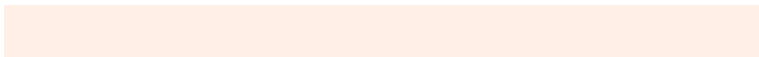
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0512, 89.5888, 107.5756



85.7307, 89.5888, 111.2674



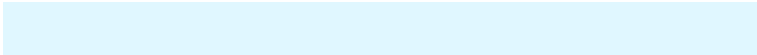
88.3289, 89.5888, 88.1618



84.5748, 89.5888, 85.0036

# Sweetspot

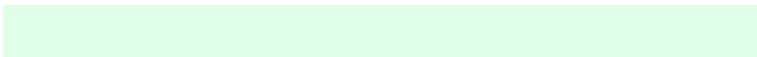
The Sweet Spot groups the original color and five complimentary colors.



82.0535, 89.5924, 107.5761



90.5629, 96.4495, 108.4512



81.0313, 93.1797, 89.8737



19.2086, 20.5042, 23.1953



0.0000, 0.0000, 0.0000

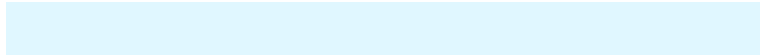


20.3446, 21.4041, 23.3091

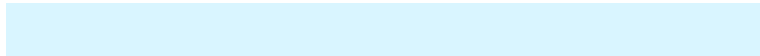


# Same Dimension

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



82.0535, 89.5924, 107.5761



79.2843, 87.3199, 107.2834



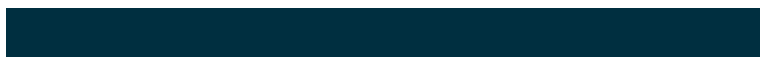
77.5779, 80.6411, 106.0842



18.1350, 19.6417, 23.0854



19.0933, 23.0962, 52.8863



1.9472, 2.4251, 5.1787



# Inverse Universe

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



84.6856, 81.2882, 99.2268



82.4905, 77.3577, 97.0781



88.0323, 93.3168, 83.8947



18.5808, 18.2156, 21.6757



26.4256, 13.0595, 26.6895

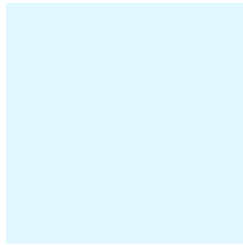


2.6175, 1.2894, 2.8330



# Previews

## White Background



This preview shows how the XYZ color 82.0512, 89.5888, 107.5756 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

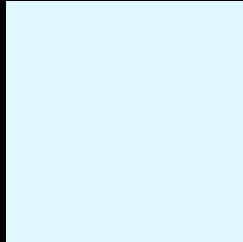
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.0512, 89.5888, 107.5756 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

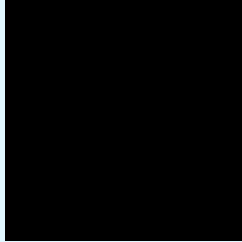
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.0512, 89.5888, 107.5756

## Background



This preview shows how black text looks on a background with the XYZ color 82.0512, 89.5888, 107.5756.



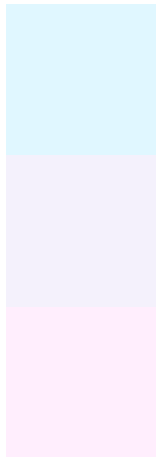
This preview shows how white text looks on a background with the XYZ color 82.0512, 89.5888,

107.5756.

# 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

82.0512, 89.5888, 107.5756

### Protanopia

86.3342, 89.1720, 104.7571

### Deuteranopia

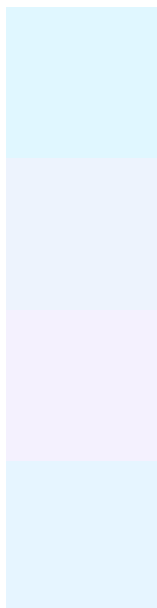
89.5442, 89.5009, 105.4844



## Tritanopia

84.3324, 89.4138, 107.4215

# Trichromacy



## Original Color

82.0512, 89.5888, 107.5756

## Protanomaly

84.7053, 89.1976, 105.6809

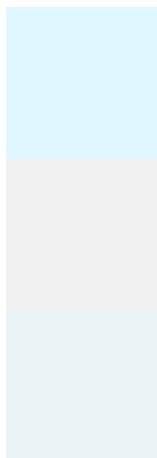
## Deuteranomaly

86.6529, 89.2994, 106.4353

## Tritanomaly

83.3355, 89.3478, 107.4613

# Monochromacy



## Original Color

82.0512, 89.5888, 107.5756

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

82.9461, 88.4172, 99.8833

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.0512, 89.5888, 107.5756 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(224, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 247, 255)  
}
```

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(224, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 247, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.0512, 89.5888, 107.5756 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(224, 247, 255) }
```



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

```
.border{ border-color:rgb(224, 247, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 247,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.0512, 89.5888, 107.5756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 247, 255) }
```

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

```
.background{ background-color: rgb(224,  
247, 255) }
```

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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