

# Converting Colors

XYZ(82.4477, 89.1059,  
104.3815)

Have a look what the booklet for  
XYZ(82.4477, 89.1059, 104.3815)  
contains.

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# Color

**XYZ(82.3781, 88.9279,  
104.0898)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E5F5FB
RGB	229, 245, 251
RGB Percent	90%, 96%, 98%
CMY	0.1020, 0.0392, 0.0157
CMYK	0.09, 0.02, 0.00, 0.02
HSL	196°, 73%, 94%
HSV	196°, 9%, 98%
XYZ	82.3781, 88.9279, 104.0898
YIQ	240.9000, -11.4620, -1.5260

# Conversions

## Conversions Part 2

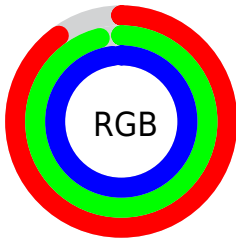
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	229, 238, 251
Decimal	15070715
CIE Lab	95.55, -4.10, -4.69
CIE LCh	96, 6.233, 228.840
Yxy	88.9279, 0.2991, 0.3229
Android (android.graphics.Color)	4293260795 (0xFFE5F5FB)
YUV	240.9000, 4.9793, -10.4363
Hunter-Lab	94.3016, -9.0973, 0.5670

# Details

The XYZ color **82.3781, 88.9279, 104.0898** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **83.6352, 85.5824, 86.2412**, and the grayscale version is **83.5012, 87.8497, 95.6684**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.2815, 49.2196, 58.7435** is the 20% darker color. If you saturate the color by 10%, you get **72.9102, 81.0334, 103.0664**, and if you desaturate by 10%, it is **93.0856, 97.5798, 105.1968**.

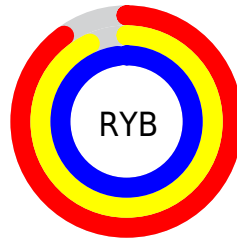
# Distribution



Red (90%)

Green (96%)

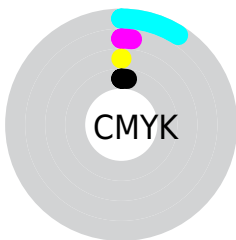
Blue (98%)



Red (90%)

Yellow (93%)

Blue (98%)

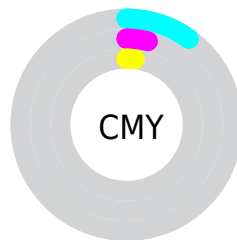


Cyan (9%)

Magenta (2%)

Yellow (0%)

Black (2%)



Cyan (10%)

Magenta (4%)

Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.3781, 88.9279, 104.0898 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 82.3781, 88.9279, 104.0898 by changing the saturation by 10% instead.



82.3781, 88.9279,  
104.0898

82.3781, 88.9279,  
104.0898

491.5269,  
524.5372, 594.5852

61.9924, 67.0918,  
79.0846

135.6372,  
145.8483, 168.8670

45.2821, 49.1592,  
58.4437

169.2412,  
181.7014, 209.4760

31.8819, 34.7458,  
41.7484

207.9822,  
222.9956, 256.1235

21.4265, 23.4671,  
28.5802

252.2253,  
270.1153, 309.2278

13.5503, 14.9388,  
18.5206

302.3360,  
323.4449, 369.2076

7.8882, 8.7765,  
11.1511

358.6796,

4.0747, 4.5957,

383.3688, 436.4814

6.0531

421.6214,  
450.2715, 511.4678

■ 1.7445, 2.0120,  
2.8081

■ 0.4839, 0.6145,  
0.9975

■ 82.3781, 88.9279,  
104.0898

■ 82.3781, 88.9279,  
104.0898

■ 72.9102, 81.0334,  
103.0664

■ 93.0856, 97.5798,  
105.1968

■ 64.6239, 73.8581,  
102.1182

■ 94.4129, 99.7451,  
105.5448

■ 57.4679, 67.3766,  
101.2443

■ 51.3840, 61.5578,  
100.4418

■ 46.3085, 56.3674,  
99.7074

■ 42.1706, 51.7677,  
99.0377

■ 38.8898, 47.7159,  
98.4286

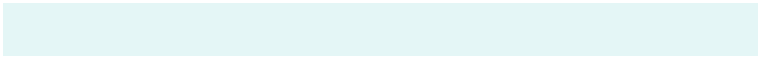
■ 36.3705, 44.1614,  
97.8752

■ 34.4749, 41.0317,  
97.3711

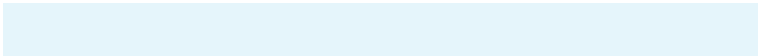
# Harmonies

## Analogous

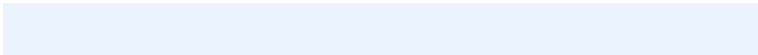
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.4501, 88.9279, 99.8995



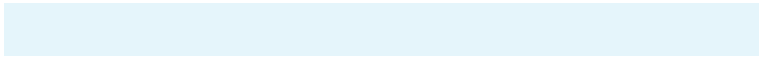
82.3781, 88.9279, 104.0898



83.8886, 88.9279, 106.3608

# Triad

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



82.3781, 88.9279, 104.0898



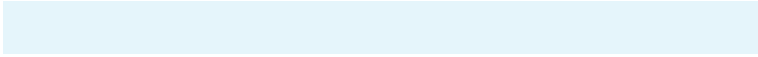
87.7897, 88.9279, 98.6610



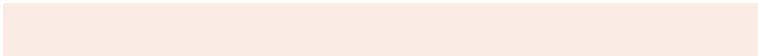
83.4662, 88.9279, 88.1876

# Complementary

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



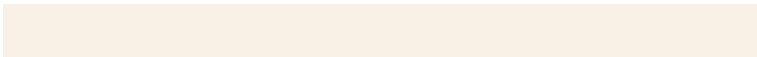
82.3781, 88.9279, 104.0898



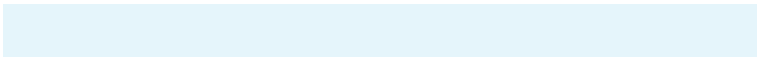
83.6352, 85.5824, 86.2412

# Split Complementary

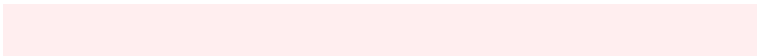
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1612, 88.9279, 87.8813



82.3781, 88.9279, 104.0898



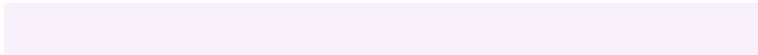
87.6728, 88.9279, 93.8188

# Square

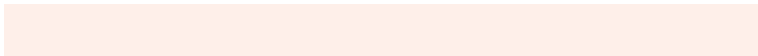
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



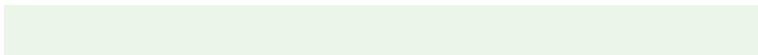
82.3781, 88.9279, 104.0898



87.0225, 88.9279, 103.1569



86.7054, 88.9279, 89.9108

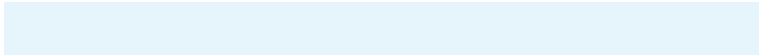


82.0724, 88.9279, 90.7622



# Rectangle

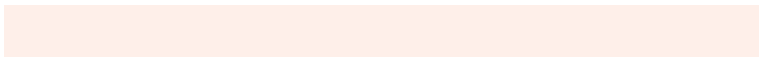
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3781, 88.9279, 104.0898



85.0295, 88.9279, 106.4313



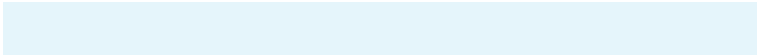
86.7054, 88.9279, 89.9108



84.0191, 88.9279, 87.8193

# Sweetspot

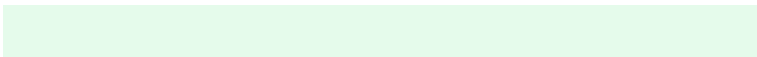
The Sweet Spot groups the original color and five complimentary colors.



82.3807, 88.9316, 104.0918



91.6298, 97.2547, 108.5504



81.7879, 91.6443, 91.8762



19.4212, 20.6621, 23.2145



0.0000, 0.0000, 0.0000

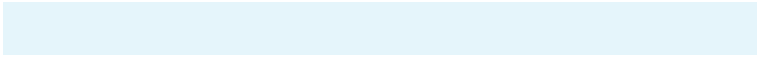


20.3446, 21.4041, 23.3091

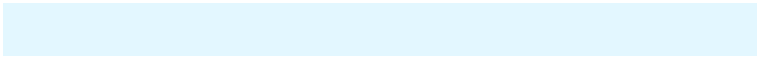


# Same Dimension

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



82.3807, 88.9316, 104.0918



83.0822, 90.2815, 107.6549



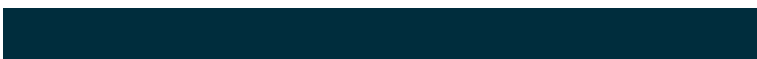
79.1879, 82.5462, 103.0275



17.3423, 18.7615, 22.0926



18.1367, 21.6289, 51.1924



1.7679, 2.1794, 4.7707



# Inverse Universe

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



84.2864, 83.1422, 97.9963



85.5387, 82.9081, 99.7775



86.8432, 91.9983, 87.3105



17.7793, 17.4391, 20.6937



25.4466, 12.5944, 24.8578

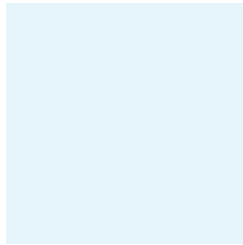


2.4013, 1.1842, 2.5364



# Previews

## White Background



This preview shows how the XYZ color 82.3781, 88.9279, 104.0898 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

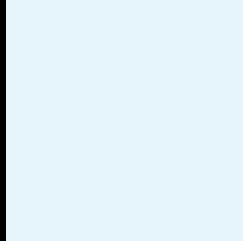
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.3781, 88.9279, 104.0898 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

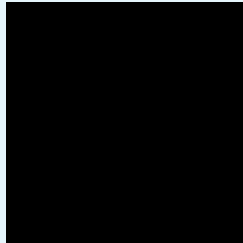
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

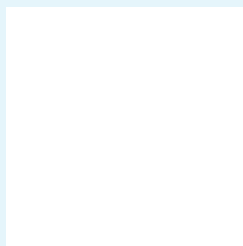
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.3781, 88.9279, 104.0898**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.3781, 88.9279, 104.0898.



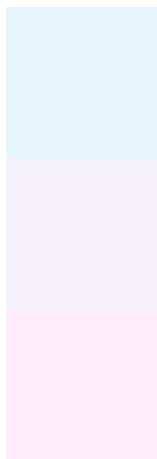
This preview shows how white text looks on a background with the XYZ color 82.3781, 88.9279,

104.0898.

# 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

82.3781, 88.9279, 104.0898

### Protanopia

85.7068, 88.9210, 101.4532

### Deuteranopia

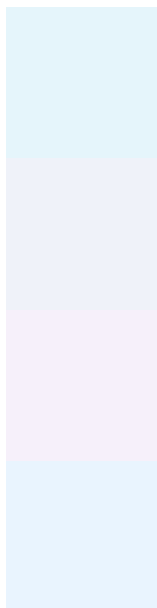
88.7795, 88.7305, 102.8900



## Tritanopia

84.3615, 88.9834, 107.3369

# Trichromacy



## Original Color

82.3781, 88.9279, 104.0898

## Protanomaly

84.4476, 88.6945, 102.2914

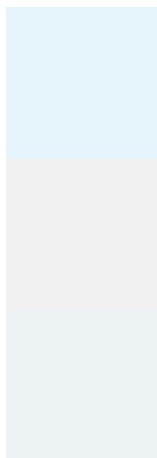
## Deuteranomaly

86.4214, 88.8151, 103.0306

## Tritanomaly

83.8443, 89.1808, 106.5605

# Monochromacy



## Original Color

82.3781, 88.9279, 104.0898

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.1586, 88.1014, 99.0085

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.3781, 88.9279, 104.0898 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(229, 245, 251)` looks like.

```
.text, #text, p{  
    color:rgb(229, 245, 251)  
}
```

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(229, 245, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 245, 251) }
```

## Border

The CSS property to change the border of an element to XYZ 82.3781, 88.9279, 104.0898 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(229, 245, 251) }
```



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

```
.border{ border-color:rgb(229, 245, 251) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 245, 251)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 245, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 245, 251);  
box-shadow:4px 4px 4px 4px rgb(229, 245,  
251) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.3781, 88.9279, 104.0898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 245, 251) }
```

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

```
.background{ background-color: rgb(229,  
245, 251) }
```

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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