

Converting Colors

XYZ(83.0969, 88.6620,
112.3600)

Have a look what the booklet for
XYZ(83.0969, 88.6620, 112.3600)
contains.

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Color

**XYZ(82.0792, 88.2523,
107.3161)**

Conversions

Conversions Part 1

Format	Color
Hex	E3F4FF
RGB	227, 244, 255
RGB Percent	89%, 96%, 100%
CMY	0.1098, 0.0431, 0.0000
CMYK	0.11, 0.04, 0.00, 0.00
HSL	204°, 100%, 95%
HSV	204°, 11%, 100%
XYZ	82.0792, 88.2523, 107.3161
YIQ	240.1710, -13.6630, -0.1830

Conversions

Conversions Part 2

Format	Color
R _Y B	227, 238, 255
Decimal	14939391
CIE Lab	95.27, -3.46, -7.20
CIE LCh	95, 7.984, 244.327
Yxy	88.2523, 0.2956, 0.3179
Android (android.graphics.Color)	4293129471 (0xFFE3F4FF)
YUV	240.1710, 7.3107, -11.5510
Hunter-Lab	93.9427, -8.4415, -1.9705

Details

The XYZ color **82.0792, 88.2523, 107.3161** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.6789, 87.9532, 85.1354**, and the grayscale version is **82.9125, 87.2305, 94.9940**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9708, 48.7016, 60.4562** is the 20% darker color. If you saturate the color by 10%, you get **71.6931, 78.5482, 105.9904**, and if you desaturate by 10%, it is **93.8248, 98.9050, 108.7532**.

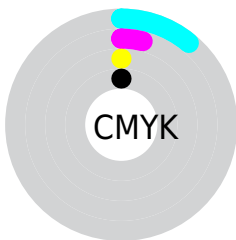
Distribution



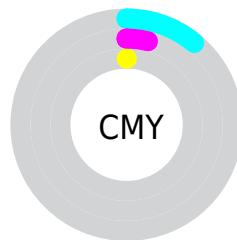
- Red (89%)
- Green (96%)
- Blue (100%)



- Red (89%)
- Yellow (93%)
- Blue (100%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (11%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.0792, 88.2523, 107.3161 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 82.0792, 88.2523, 107.3161 by changing the saturation by 10% instead.

82.0792, 88.2523,
107.3161

82.0792, 88.2523,
107.3161

490.5431,
522.3291, 604.8486

61.7452, 66.5320,
81.7736

135.2203,
144.9084, 173.3147

45.0816, 48.7044,
60.6442

168.7581,
180.6129, 214.6078

31.7233, 34.3851,
43.5094

207.4278,
221.7478, 261.9882

21.3047, 23.1896,
29.9506

251.5948,
268.6972, 315.8745

13.4607, 14.7336,
19.5494

301.6245,
321.8457, 376.6851

7.8257, 8.6326,
11.8871

357.8822,

4.0345, 4.5023,

381.5775, 444.8386

6.5452

420.7333,
448.2772, 520.7536

■ 1.7217, 1.9583,
3.1053

■ 0.4698, 0.5831,
1.1486

■ 82.0792, 88.2523,
107.3161

■ 82.0792, 88.2523,
107.3161

■ 71.6931, 78.5482,
105.9904

93.8248, 98.9050,
108.7532

■ 62.6048, 69.7500,
104.7712

95.0500, 100.0000,
108.9000

■ 54.7579, 61.8271,
103.6555

■ 48.0890, 54.7427,
102.6396

■ 42.5285, 48.4569,
101.7194

■ 37.9989, 42.9254,
100.8904

■ 34.4115, 38.0982,
100.1478

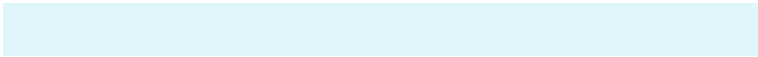
■ 31.6604, 33.9163,
99.4856

■ 29.7488, 30.6176,
98.9496

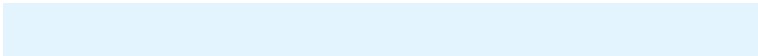
Harmonies

Analogous

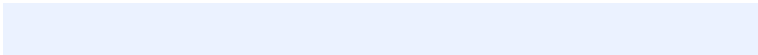
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.4688, 88.2523, 103.0176



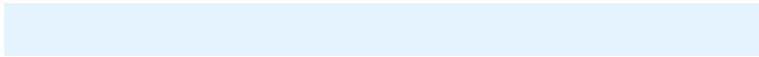
82.0792, 88.2523, 107.3161



84.1976, 88.2523, 108.5591

Triad

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



82.0792, 88.2523, 107.3161



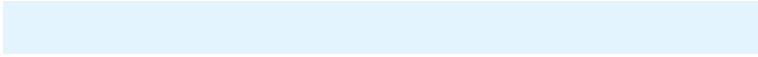
88.1284, 88.2523, 95.1894



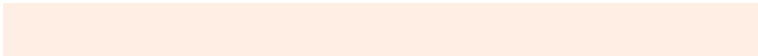
81.5408, 88.2523, 86.5199

Complementary

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



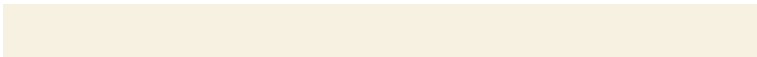
82.0792, 88.2523, 107.3161



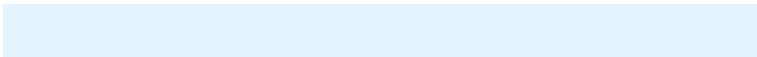
85.6789, 87.9532, 85.1354

Split Complementary

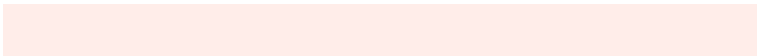
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.5655, 88.2523, 84.6175



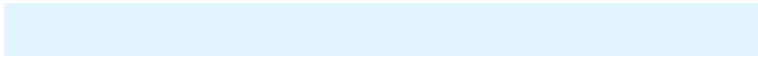
82.0792, 88.2523, 107.3161



87.3887, 88.2523, 89.4835

Square

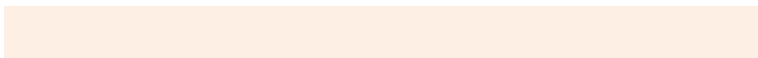
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



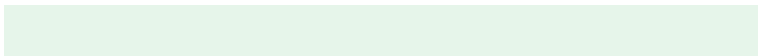
82.0792, 88.2523, 107.3161



87.7139, 88.2523, 101.3841



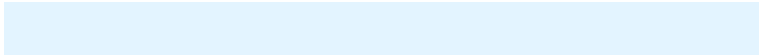
85.7093, 88.2523, 85.6787



80.1617, 88.2523, 90.9868

Rectangle

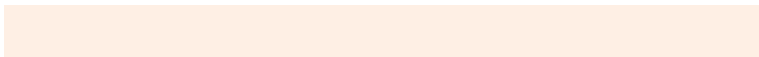
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0792, 88.2523, 107.3161



85.6188, 88.2523, 107.4445



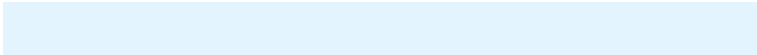
85.7093, 88.2523, 85.6787



82.1672, 88.2523, 85.5683

Sweetspot

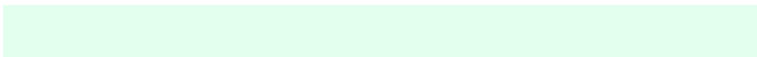
The Sweet Spot groups the original color and five complimentary colors.



82.0815, 88.2559, 107.3167



91.3405, 96.6761, 108.4539



82.8328, 94.0087, 94.4643



19.3430, 20.5057, 23.1885



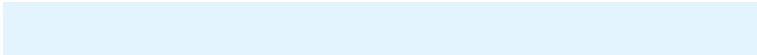
0.0000, 0.0000, 0.0000



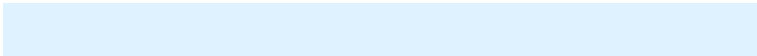
20.3446, 21.4041, 23.3091

Same Dimension

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



82.0815, 88.2559, 107.3167



79.8752, 86.2197, 107.0399



78.1007, 80.2943, 105.9897



17.9211, 19.2138, 23.0140



15.6940, 16.2976, 51.7532



1.6345, 1.7998, 5.0745

Inverse Universe

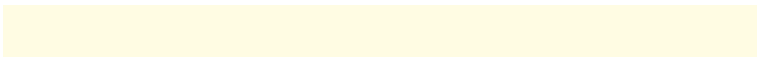
The Inverse Universe completely reimagines the original color for something new.



85.0396, 82.7312, 97.0790



83.3458, 79.8327, 95.0070



89.8322, 96.2597, 86.5198



18.4728, 18.1724, 21.1070



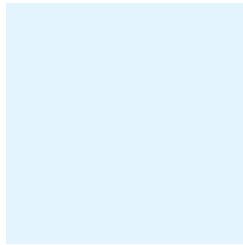
24.7098, 12.3732, 17.6542



2.4597, 1.2262, 2.0019

Previews

White Background



This preview shows how the XYZ color 82.0792, 88.2523, 107.3161 looks on a white background.

Color Contrast Check

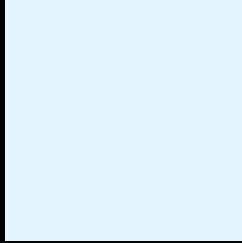
Large Text (above 18pt) WCAG AA × Fail

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 82.0792, 88.2523, 107.3161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

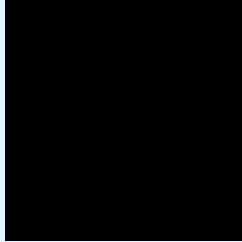
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

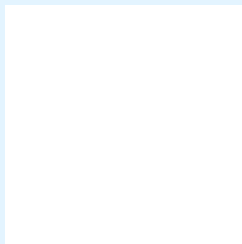
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 82.0792, 88.2523, 107.3161

Background



This preview shows how black text looks on a background with the XYZ color 82.0792, 88.2523, 107.3161.



This preview shows how white text looks on a background with the XYZ color 82.0792, 88.2523,

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

82.0792, 88.2523, 107.3161

Protanopia

85.3487, 88.2257, 104.6264

Deuteranopia

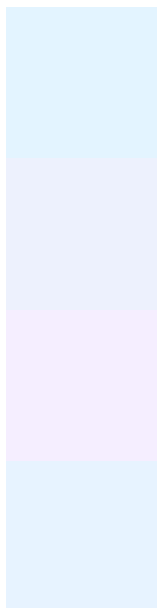
88.9983, 87.8967, 106.8828



Tritanopia

83.4064, 88.0479, 107.2067

Trichromacy



Original Color

82.0792, 88.2523, 107.3161

Protanomaly

84.1100, 88.0070, 105.4825

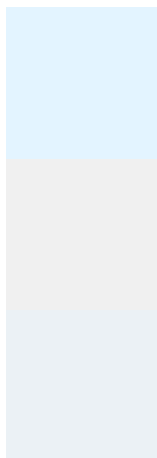
Deuteranomaly

86.2807, 87.7815, 107.0038

Tritanomaly

83.0556, 88.3101, 107.2758

Monochromacy



Original Color

82.0792, 88.2523, 107.3161

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

82.1977, 87.1653, 98.8785

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.0792, 88.2523, 107.3161 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(227, 244, 255)` looks like.

```
.text, #text, p{  
    color:rgb(227, 244, 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(227, 244, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 244, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.0792, 88.2523, 107.3161 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(227, 244, 255) }
```


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

```
.border{ border-color:rgb(227, 244, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 244, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 244, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 244, 255);  
box-shadow:4px 4px 4px 4px rgb(227, 244,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.0792, 88.2523, 107.3161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 244, 255) }
```

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

```
.background{ background-color: rgb(227,  
244, 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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