

Converting Colors

XYZ(100.6058, 96.5757,
215.3602)

Have a look what the booklet for
XYZ(100.6058, 96.5757, 215.3602)
contains.

XYZ(80.2242, 88.6470, 107.4900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.2242, 88.6470,
107.4900)**

Conversions

Conversions Part 1

Format	Color
Hex	DAF7FF
RGB	218, 247, 255
RGB Percent	85%, 97%, 100%
CMY	0.1451, 0.0314, 0.0000
CMYK	0.15, 0.03, 0.00, 0.00
HSL	193°, 100%, 93%
HSV	193°, 15%, 100%
XYZ	80.2242, 88.6470, 107.4900
YIQ	239.2410, -19.8520, -3.6600

Conversions

Conversions Part 2

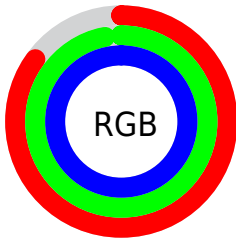
Format	Color
R _Y B	218, 234, 255
Decimal	14350335
CIE Lab	95.43, -7.79, -7.02
CIE LCh	95, 10.483, 222.025
Yxy	88.6470, 0.2903, 0.3208
Android (android.graphics.Color)	4292540415 (0xFFDAF7FF)
YUV	239.2410, 7.7692, -18.6284
Hunter-Lab	94.1525, -12.6731, -1.7821

Details

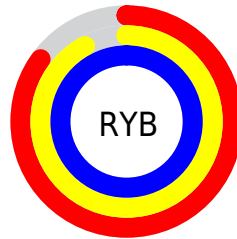
The XYZ color **80.2242, 88.6470, 107.4900** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.0907, 80.7131, 77.6365**, and the grayscale version is **82.1862, 86.4663, 94.1618**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.9281, 49.1254, 60.5930** is the 20% darker color. If you saturate the color by 10%, you get **71.5177, 81.6963, 106.6073**, and if you desaturate by 10%, it is **90.1583, 96.3092, 108.4454**.

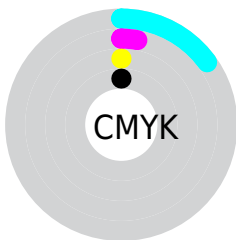
Distribution



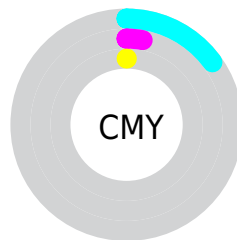
- Red (85%)
- Green (97%)
- Blue (100%)



- Red (85%)
- Yellow (92%)
- Blue (100%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (15%)
- Magenta (3%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.2242, 88.6470, 107.4900 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 80.2242, 88.6470, 107.4900 by changing the saturation by 10% instead.

80.2242, 88.6470,
107.4900

80.2242, 88.6470,
107.4900

484.4131,
523.6197, 605.3992

60.2120, 66.8590,
81.9187

132.6298,
145.4576, 173.5540

43.8396, 48.9701,
60.7631

165.7538,
181.2490, 214.8838

30.7418, 34.5957,
43.6047

203.9792,
222.4770, 262.3035

20.5532, 23.3516,
30.0249

247.6712,
269.5260, 316.2316

12.9084, 14.8534,
19.6053

297.1953,
322.7803, 377.0867

7.4421, 8.7165,
11.9272

352.9167,

3.7888, 4.5568,

382.6245, 445.2873

6.5722

415.2009,
449.4428, 521.2519

■ 1.5834, 1.9896,
3.1217

■ 0.3815, 0.6014,
1.1571

■ 80.2242, 88.6470,
107.4900

■ 80.2242, 88.6470,
107.4900

■ 71.5177, 81.6963,
106.6073

■ 90.1583, 96.3092,
108.4454

■ 63.9780, 75.4180,
105.7929

95.0500, 100.0000,
108.9000

■ 57.5493, 69.7851,
105.0445

■ 52.1684, 64.7645,
104.3590

■ 47.7657, 60.3194,
103.7330

■ 44.2626, 56.4088,
103.1628

■ 41.5677, 52.9849,
102.6440

■ 39.5691, 49.9893,
102.1711

■ 38.6807, 48.4814,
101.9269

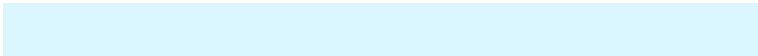
Harmonies

Analogous

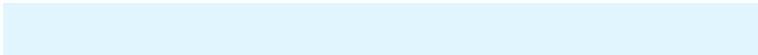
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.9749, 88.6470, 99.8509



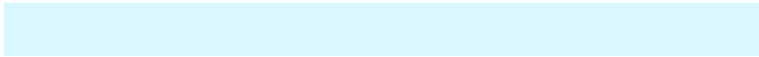
80.2242, 88.6470, 107.4900



82.5653, 88.6470, 112.3438

Triad

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



80.2242, 88.6470, 107.4900



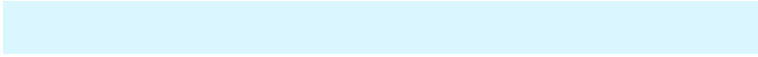
89.6136, 88.6470, 101.4799



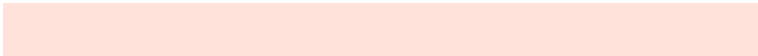
83.1121, 88.6470, 81.8783

Complementary

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



80.2242, 88.6470, 107.4900



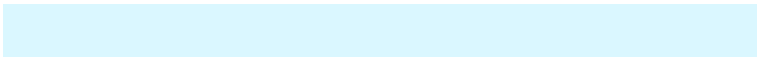
81.0907, 80.7131, 77.6365

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.



85.9703, 88.6470, 82.2593



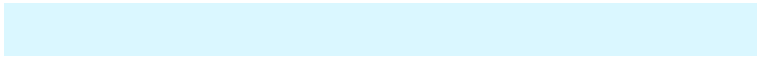
80.2242, 88.6470, 107.4900



89.7681, 88.6470, 93.2670

Square

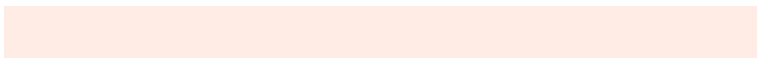
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



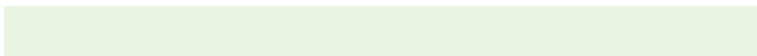
80.2242, 88.6470, 107.4900



88.0039, 88.6470, 108.7406



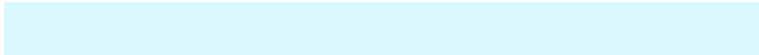
88.4213, 88.6470, 86.3258



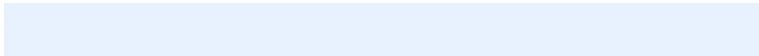
80.6167, 88.6470, 85.2539

Rectangle

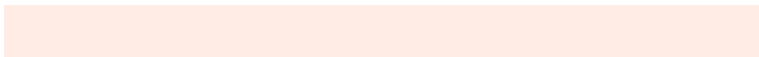
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



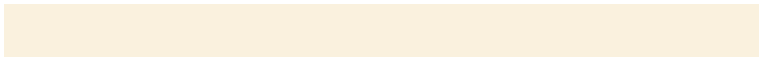
80.2242, 88.6470, 107.4900



84.4514, 88.6470, 113.1882



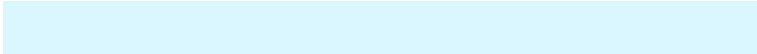
88.4213, 88.6470, 86.3258



84.0615, 88.6470, 81.5769

Sweetspot

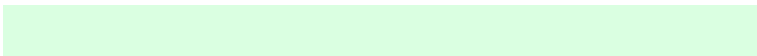
The Sweet Spot groups the original color and five complimentary colors.



80.2265, 88.6506, 107.4906



90.6973, 96.7183, 108.4960



78.3196, 91.8840, 85.1294



19.2427, 20.5724, 23.2066



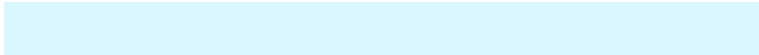
0.0000, 0.0000, 0.0000



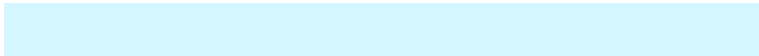
20.3446, 21.4041, 23.3091

Same Dimension

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



80.2265, 88.6506, 107.4906



77.9447, 86.8534, 107.2640



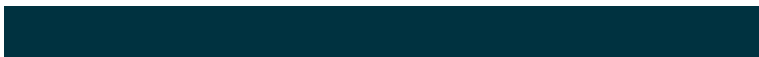
75.0116, 78.2207, 105.7523



18.2022, 19.7760, 23.1077



20.3257, 25.5609, 53.2971



2.0578, 2.6464, 5.2156

Inverse Universe

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



83.1013, 78.1197, 98.6987



81.2743, 74.8034, 97.0484



86.2160, 90.9637, 79.3449



18.6147, 18.2292, 21.8542



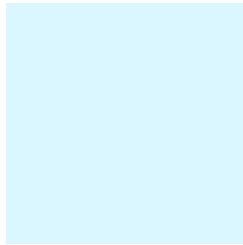
27.0477, 13.3084, 29.9651



2.6733, 1.3117, 3.1270

Previews

White Background



This preview shows how the XYZ color 80.2242, 88.6470, 107.4900 looks on a white background.

Color Contrast Check

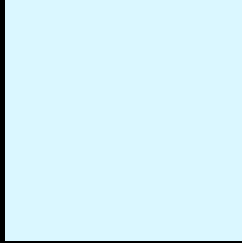
Large Text (above 18pt) WCAG AA × Fail

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 80.2242, 88.6470, 107.4900 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 80.2242, 88.6470, 107.4900

Background



This preview shows how black text looks on a background with the XYZ color 80.2242, 88.6470, 107.4900.



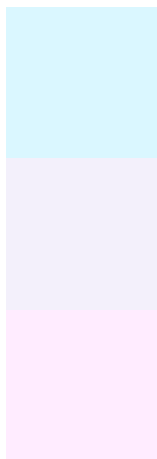
This preview shows how white text looks on a background with the XYZ color 80.2242, 88.6470,

107.4900.

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

80.2242, 88.6470, 107.4900

Protanopia

85.5348, 88.3399, 103.8099

Deuteranopia

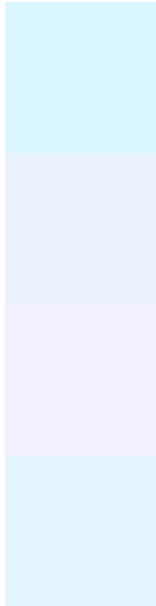
89.2855, 88.4709, 106.9785



Tritanopia

83.0338, 88.7444, 107.3608

Trichromacy



Original Color

80.2242, 88.6470, 107.4900

Protanomaly

83.5530, 88.6219, 104.7975

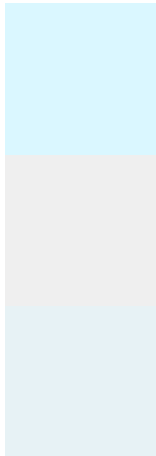
Deuteranomaly

85.8280, 88.4174, 107.1504

Tritanomaly

82.0664, 88.6936, 107.4019

Monochromacy



Original Color

80.2242, 88.6470, 107.4900

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.1886, 87.0858, 98.9163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.2242, 88.6470, 107.4900 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(218, 247, 255)` looks like.

```
.text, #text, p{  
    color:rgb(218, 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(218, 247, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 247, 255) }
```

Border

The CSS property to change the border of an element to XYZ 80.2242, 88.6470, 107.4900 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(218, 247, 255) }
```


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

```
.border{ border-color:rgb(218, 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(218, 247, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 247, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 247, 255);  
box-shadow:4px 4px 4px 4px rgb(218, 247,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 80.2242, 88.6470, 107.4900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 247, 255) }
```

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

```
.background{ background-color: rgb(218,  
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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