

Converting Colors

XYZ(67.3227, 78.1707,
153.8660)

Have a look what the booklet for
XYZ(67.3227, 78.1707, 153.8660)
contains.

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Color

**XYZ(58.2577, 74.6426,
105.9447)**

Conversions

Conversions Part 1

Format	Color
Hex	7FF1FF
RGB	127, 241, 255
RGB Percent	50%, 95%, 100%
CMY	0.5019, 0.0549, 0.0000
CMYK	0.50, 0.05, 0.00, 0.00
HSL	187°, 100%, 75%
HSV	187°, 50%, 100%
XYZ	58.2577, 74.6426, 105.9447
YIQ	208.5100, -72.4380, -19.8140

Conversions

Conversions Part 2

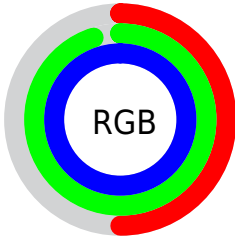
Format	Color
RYB	127, 187, 255
Decimal	8385023
CIELab	89.23, -28.83, -16.76
CIELCh	89, 33.350, 210.172
Yxy	74.6426, 0.2439, 0.3125
Android (android.graphics.Color)	4286575103 (0xFF7FF1FF)
YUV	208.5100, 22.9196, -71.4843
Hunter-Lab	86.3959, -30.8285, -12.2283

Details

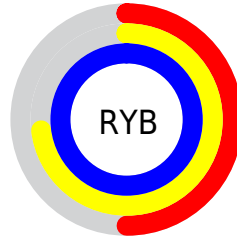
The XYZ color **58.2577, 74.6426, 105.9447** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **54.5964, 41.8429, 25.2797**, and the grayscale version is **60.1767, 63.3106, 68.9452**.

A 20% lighter version of the original color is **74.3035, 89.3048, 107.9291**, and **29.5286, 39.7993, 59.5518** is the 20% darker color. If you saturate the color by 10%, you get **54.1110, 71.2906, 105.5163**, and if you desaturate by 10%, it is **63.3820, 78.5208, 106.4232**.

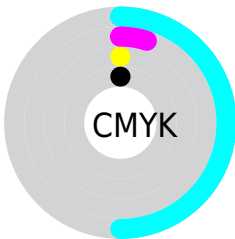
Distribution



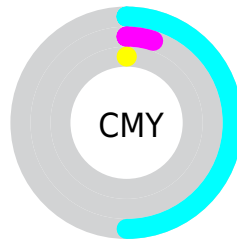
- Red (50%)
- Green (95%)
- Blue (100%)



- Red (50%)
- Yellow (73%)
- Blue (100%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (0%)




- Cyan (50%)
- Magenta (5%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 58.2577, 74.6426, 105.9447 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 58.2577, 74.6426, 105.9447 by changing the saturation by 10% instead.


 58.2577, 74.6426,
105.9447


 58.2577, 74.6426,
105.9447


408.0839,
476.6882, 600.4971


 42.2599, 55.3201,
80.6300


 101.4188,
125.8063, 171.4257

 29.4969, 39.6581,
59.7077


 129.3129,
158.4164, 212.4291

 19.6032, 27.2721,
42.7593

 161.9031,
196.2244, 259.4991

 12.2135, 17.7777,
29.3663

199.5549,
239.6148, 313.0542

 6.9625, 10.7905,
19.1101

242.6335,
288.9720, 373.5130

 3.4848, 5.9261,
11.5723

291.5043,

 1.4150, 2.8002,

344.6804, 441.2941

6.3342

346.5326,
407.1243, 516.8159

■ 0.2669, 1.0283,
2.9773

■ 0.0000, 0.0000,
1.0830

■ 58.2577, 74.6426,
105.9447

■ 58.2577, 74.6426,
105.9447

■ 54.1110, 71.2906,
105.5163

■ 63.3820, 78.5208,
106.4232

■ 50.8617, 68.4182,
105.1331

■ 69.5442, 82.9511,
106.9535

■ 48.4272, 65.9844,
104.7916

■ 76.8066, 87.9675,
107.5390

■ 46.7062, 63.9370,
104.4871

■ 85.2249, 93.5988,
108.1823

■ 45.5507, 62.2215,
104.2169

94.8513, 99.8720,
108.8858

95.0500, 100.0000,
108.9000

Harmonies

Analogous

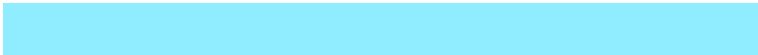
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



56.4183, 74.6426, 81.4075



58.2577, 74.6426, 105.9447



63.4425, 74.6426, 126.6857

Triad

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



58.2577, 74.6426, 105.9447



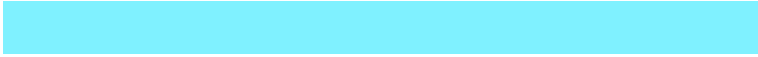
85.4066, 74.6426, 105.6673



70.8987, 74.6426, 44.1873

Complementary

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



58.2577, 74.6426, 105.9447



54.5964, 41.8429, 25.2797

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.



79.0180, 74.6426, 48.2618



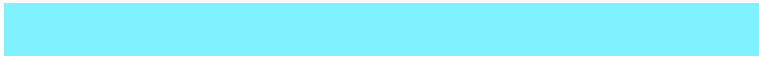
58.2577, 74.6426, 105.9447



87.7743, 74.6426, 81.1388

Square

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



58.2577, 74.6426, 105.9447



79.1053, 74.6426, 126.5052



85.3535, 74.6426, 60.7639



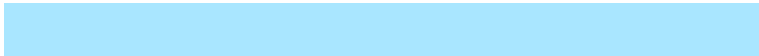
63.3671, 74.6426, 48.3568

Rectangle

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



58.2577, 74.6426, 105.9447



68.3076, 74.6426, 133.9174



85.3535, 74.6426, 60.7639



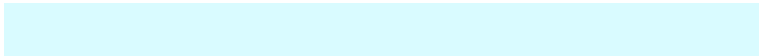
73.6506, 74.6426, 44.6268

Sweetspot

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



58.2597, 74.6454, 105.9451



81.0312, 90.8137, 107.8657



49.2326, 77.9202, 37.1811



16.9688, 19.1863, 23.0589



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.



58.2597, 74.6454, 105.9451



54.1825, 71.3508, 105.5241



42.7642, 43.6544, 100.7800



18.3752, 20.1221, 23.1654



23.8695, 32.6485, 54.4783



2.3705, 3.2718, 5.3198

Inverse Universe

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



64.7079, 42.7914, 88.0712



61.4636, 36.9516, 84.9895



66.6171, 65.8843, 29.2866



18.7020, 18.2641, 22.3141



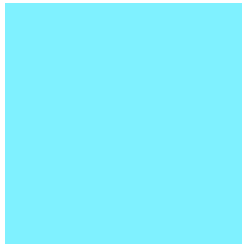
28.8364, 14.0239, 39.3845



2.8311, 1.3748, 3.9582

Previews

White Background



This preview shows how the XYZ color 58.2577, 74.6426, 105.9447 looks on a white background.

Color Contrast Check

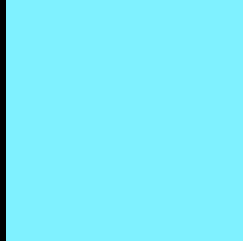
Large Text (above 18pt) WCAG AA × Fail

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 58.2577, 74.6426, 105.9447 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 58.2577, 74.6426, 105.9447

Background



This preview shows how black text looks on a background with the XYZ color 58.2577, 74.6426, 105.9447.

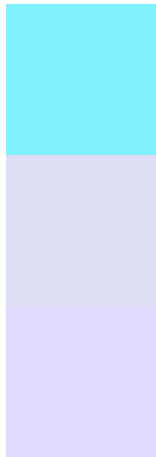


This preview shows how white text looks on a background with the XYZ color 58.2577, 74.6426,

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

58.2577, 74.6426, 105.9447

Protanopia

71.8529, 73.5561, 95.2047

Deuteranopia

74.4854, 73.5316, 104.8749



Tritanopia

60.4786, 74.4801, 105.7963

Trichromacy



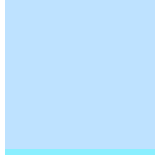
Original Color

58.2577, 74.6426, 105.9447



Protanomaly

65.0254, 72.7670, 98.6139



Deuteranomaly

66.4816, 72.5599, 105.1092



Tritanomaly

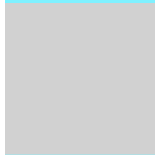
59.5640, 74.4420, 105.8371

Monochromacy



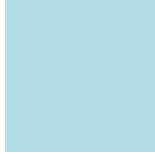
Original Color

58.2577, 74.6426, 105.9447



Achromatopsia

60.6036, 63.7597, 69.4343



Achromatomaly

58.1743, 66.7876, 81.7767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 58.2577, 74.6426, 105.9447 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(127, 241, 255)` looks like.

```
.text, #text, p{  
    color:rgb(127, 241, 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(127, 241, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 241, 255) }
```

Border

The CSS property to change the border of an element to XYZ 58.2577, 74.6426, 105.9447 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(127, 241, 255) }
```


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

```
.border{ border-color:rgb(127, 241, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 241, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 241, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 241, 255);  
box-shadow:4px 4px 4px 4px rgb(127, 241,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 58.2577, 74.6426, 105.9447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 241, 255) }
```

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

```
.background{ background-color: rgb(127,  
241, 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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