

Converting Colors

XYZ(68.1002, 80.1404,
174.8433)

Have a look what the booklet for
XYZ(68.1002, 80.1404, 174.8433)
contains.

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Color

**XYZ(54.9189, 74.6985,
106.1315)**

Conversions

Conversions Part 1

Format	Color
Hex	5AF5FF
RGB	90, 245, 255
RGB Percent	35%, 96%, 100%
CMY	0.6470, 0.0392, 0.0000
CMYK	0.65, 0.04, 0.00, 0.00
HSL	184°, 100%, 68%
HSV	184°, 65%, 100%
XYZ	54.9189, 74.6985, 106.1315
YIQ	199.7950, -95.5900, -29.7500

Conversions

Conversions Part 2

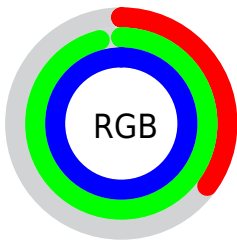
Format	Color
R _Y B	90, 170, 255
Decimal	5961215
CIE Lab	89.25, -37.22, -16.83
CIE LCh	89, 40.848, 204.335
Yxy	74.6985, 0.2330, 0.3169
Android (android.graphics.Color)	4284151295 (0xFF5AF5FF)
YUV	199.7950, 27.2161, -96.2902
Hunter-Lab	86.4283, -37.8257, -12.3066

Details

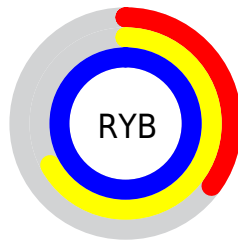
The XYZ color **54.9189, 74.6985, 106.1315** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.6436, 31.1139, 13.1695**, and the grayscale version is **54.6562, 57.5026, 62.6203**.

A 20% lighter version of the original color is **67.7146, 85.9081, 107.6207**, and **28.1763, 40.0437, 59.6702** is the 20% darker color. If you saturate the color by 10%, you get **52.3857, 72.7032, 105.8799**, and if you desaturate by 10%, it is **58.3104, 77.1453, 106.4250**.

Distribution



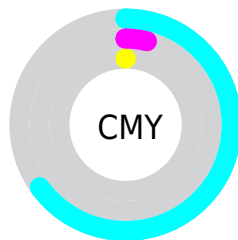
- Red (35%)
- Green (96%)
- Blue (100%)



- Red (35%)
- Yellow (67%)
- Blue (100%)



- Cyan (65%)
- Magenta (4%)
- Yellow (0%)
- Black (0%)



- Cyan (65%)
- Magenta (4%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 54.9189, 74.6985, 106.1315 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 54.9189, 74.6985, 106.1315 by changing the saturation by 10% instead.

54.9189, 74.6985,
106.1315

54.9189, 74.6985,
106.1315

395.7458,
476.8806, 601.0908

39.5704, 55.3659,
80.7857

96.5711, 125.8855,
171.6832

27.3865, 39.6948,
59.8351

123.6056,
158.5087, 212.7261

18.0018, 27.3006,
42.8613

155.2660,
196.3309, 259.8384

11.0509, 17.7991,
29.4457

191.9178,
239.7365, 313.4388

6.1687, 10.8059,
19.1698

233.9263,
289.1098, 373.9456

2.9895, 5.9365,
11.6150

281.6570,

1.1482, 2.8065,

344.8354, 441.7776

6.3627

335.4750,
407.2975, 517.3531

■ 0.0649, 1.0316,
2.9945

■ 0.0000, 0.0000,
1.0919

■ 54.9189, 74.6985,
106.1315

■ 54.9189, 74.6985,
106.1315

■ 52.3857, 72.7032,
105.8799

■ 58.3104, 77.1453,
106.4250

■ 50.6135, 71.1044,
105.6647

■ 62.6324, 80.0760,
106.7629

■ 49.4924, 69.8470,
105.4810

■ 67.9564, 83.5290,
107.1488

■ 49.0778, 69.2757,
105.3926

■ 74.3453, 87.5369,
107.5856

■ 81.8567, 92.1293,
108.0762

■ 90.5442, 97.3338,
108.6229

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.



53.5731, 74.6985, 76.0321



54.9189, 74.6985, 106.1315



60.3938, 74.6985, 134.6155

Triad

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



54.9189, 74.6985, 106.1315



87.7474, 74.6985, 117.7440



72.9086, 74.6985, 38.0064

Complementary

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



54.9189, 74.6985, 106.1315



47.6436, 31.1139, 13.1695

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.



82.7776, 74.6985, 44.3740



54.9189, 74.6985, 106.1315



91.8442, 74.6985, 86.8767

Square

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



54.9189, 74.6985, 106.1315



79.1984, 74.6985, 142.3445



89.9456, 74.6985, 60.7353



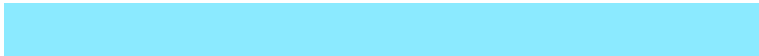
63.3854, 74.6985, 40.8517

Rectangle

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



54.9189, 74.6985, 106.1315



65.9453, 74.6985, 146.5091



89.9456, 74.6985, 60.7353



76.3038, 74.6985, 39.0833

Sweetspot

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



54.9209, 74.7012, 106.1319



78.4872, 90.0820, 107.8586



42.1943, 74.5809, 23.7913



16.3449, 19.0028, 23.0564



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.



54.9209, 74.7012, 106.1319



51.7219, 72.1344, 105.8050



35.5886, 36.0366, 99.6878



18.4551, 20.2817, 23.1920



25.6848, 36.2791, 55.0834



2.5283, 3.5873, 5.3724

Inverse Universe

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



61.3790, 35.1668, 89.9420



58.8290, 30.5660, 87.5530



59.5599, 54.9463, 17.1416



18.7423, 18.2803, 22.5263



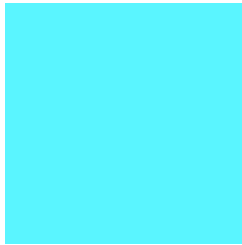
29.7527, 14.3904, 44.2095



2.9108, 1.4067, 4.3775

Previews

White Background



This preview shows how the XYZ color 54.9189, 74.6985, 106.1315 looks on a white background.

Color Contrast Check

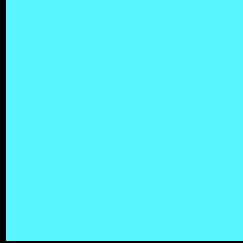
Large Text (above 18pt) WCAG AA × Fail

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 54.9189, 74.6985, 106.1315 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 54.9189, 74.6985, 106.1315

Background



This preview shows how black text looks on a background with the XYZ color 54.9189, 74.6985, 106.1315.

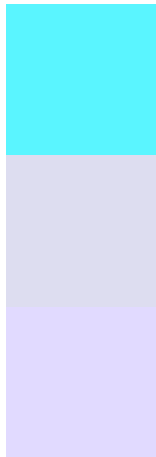


This preview shows how white text looks on a background with the XYZ color 54.9189, 74.6985,

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

54.9189, 74.6985, 106.1315

Protanopia

71.4034, 73.3763, 92.8378

Deuteranopia

74.1727, 73.3704, 104.8603



Tritanopia

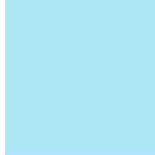
59.0698, 74.1872, 105.8140

Trichromacy



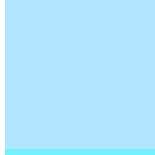
Original Color

54.9189, 74.6985, 106.1315



Protanomaly

62.0118, 72.0704, 97.0288



Deuteranomaly

63.6979, 71.9369, 105.1357



Tritanomaly

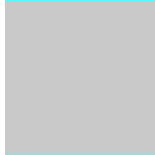
57.1130, 74.0525, 105.8911

Monochromacy



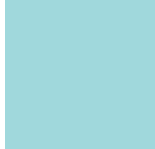
Original Color

54.9189, 74.6985, 106.1315



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

51.9713, 61.7526, 76.8904

CSS Examples

Text

The CSS property to change the color of the text to XYZ 54.9189, 74.6985, 106.1315 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(90, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(90, 245, 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(90, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 245, 255) }
```

Border

The CSS property to change the border of an element to XYZ 54.9189, 74.6985, 106.1315 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(90, 245, 255) }
```


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

```
.border{ border-color:rgb(90, 245, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 245, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(90, 245,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 54.9189, 74.6985, 106.1315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 245, 255) }
```

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

```
.background{ background-color: rgb(90, 245,  
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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