

# Converting Colors

XYZ(54.8495, 74.6675,  
106.1291)

Have a look what the booklet for  
XYZ(54.8495, 74.6675, 106.1291)  
contains.

<b>XYZ(54.8222, 74.6487, 106.1269)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(54.8222, 74.6487,  
106.1269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	59F5FF
RGB	89, 245, 255
RGB Percent	35%, 96%, 100%
CMY	0.6509, 0.0392, 0.0000
CMYK	0.65, 0.04, 0.00, 0.00
HSL	184°, 100%, 67%
HSV	184°, 65%, 100%
XYZ	54.8222, 74.6487, 106.1269
YIQ	199.4960, -96.1860, -29.9620

# Conversions

## Conversions Part 2

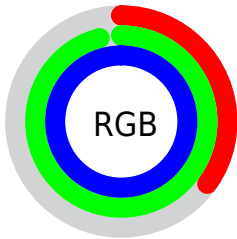
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	89, 169, 255
Decimal	5895679
CIE Lab	89.23, -37.36, -16.87
CIE LCh	89, 40.995, 204.300
Yxy	74.6487, 0.2327, 0.3168
Android (android.graphics.Color)	4284085759 (0xFF59F5FF)
YUV	199.4960, 27.3635, -96.9050
Hunter-Lab	86.3995, -37.9373, -12.3479

# Details

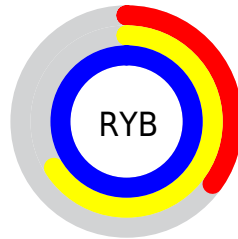
The XYZ color **54.8222, 74.6487, 106.1269** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light muted cyan. A complement of this color would be **47.5059, 30.9061, 12.9148**, and the grayscale version is **54.4721, 57.3089, 62.4094**.

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 **52.3234, 72.6753, 105.8778**, and if you desaturate by 10%, it is **58.1759, 77.0718, 106.4179**.

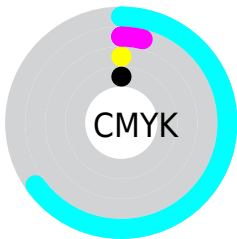
# Distribution



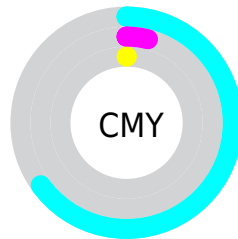
- Red (35%)
- Green (96%)
- Blue (100%)



- Red (35%)
- Yellow (66%)
- 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 54.8222, 74.6487, 106.1269 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 54.8222, 74.6487, 106.1269 by changing the saturation by 10% instead.





 54.8222, 74.6487,  
106.1269

 54.8222, 74.6487,  
106.1269

395.3850,  
476.7092, 601.0762

 39.4927, 55.3251,  
80.7818


 96.4302, 125.8150,  
171.6768


 27.3257, 39.6621,  
59.8320


 123.4395,  
158.4264, 212.7188

 17.9558, 27.2752,  
42.8588


 155.0726,  
196.2360, 259.8301

 11.0178, 17.7800,  
29.4438

 191.6951,  
239.6281, 313.4293

 6.1462, 10.7922,  
19.1683

233.6722,  
288.9871, 373.9350

 2.9757, 5.9273,  
11.6139

281.3693,

 1.1409, 2.8009,

344.6973, 441.7657

6.3620

335.1518,  
407.1432, 517.3399

■ 0.0589, 1.0287,  
2.9941

■ 0.0000, 0.0000,  
1.0916

■ 54.8222, 74.6487,  
106.1269

■ 54.8222, 74.6487,  
106.1269

■ 52.3234, 72.6753,  
105.8778

■ 58.1759, 77.0718,  
106.4179

■ 50.5817, 71.0963,  
105.6648

■ 62.4572, 79.9772,  
106.7530

■ 49.4859, 69.8560,  
105.4831

■ 67.7379, 83.4036,  
107.1361

■ 49.1052, 69.3305,  
105.4017

■ 74.0810, 87.3834,  
107.5699

■ 81.5445, 91.9465,  
108.0573

■ 90.1820, 97.1207,  
108.6008

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.



53.4782, 74.6487, 75.9296



54.8222, 74.6487, 106.1269



60.3067, 74.6487, 134.7359

# Triad

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



54.8222, 74.6487, 106.1269



87.7493, 74.6487, 117.8566



72.8792, 74.6487, 37.8579

# Complementary

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



54.8222, 74.6487, 106.1269



47.5059, 30.9061, 12.9148

# 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.



82.7801, 74.6487, 44.2442



54.8222, 74.6487, 106.1269



91.8678, 74.6487, 86.8754

# Square

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



54.8222, 74.6487, 106.1269



79.1664, 74.6487, 142.5465



89.9692, 74.6487, 60.6492



63.3252, 74.6487, 40.6955

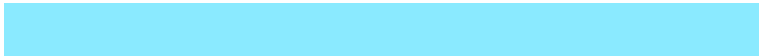


# Rectangle

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



54.8222, 74.6487, 106.1269



65.8718, 74.6487, 146.6960



89.9692, 74.6487, 60.6492



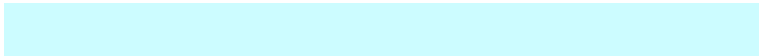
76.2855, 74.6487, 38.9395

# Sweetspot

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



54.8242, 74.6514, 106.1274



77.7399, 89.6334, 107.8114



42.0528, 74.5131, 23.5509



16.1997, 18.9155, 23.0472



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.



54.8242, 74.6514, 106.1274



51.7436, 72.1780, 105.8123



35.3934, 35.7897, 99.6504



18.4557, 20.2829, 23.1922



25.6989, 36.3073, 55.0881



2.5295, 3.5897, 5.3728



# Inverse Universe

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



61.2951, 34.9991, 89.9141



58.8400, 30.5704, 87.6109



59.4263, 54.7468, 16.8883



18.7426, 18.2804, 22.5279



29.7598, 14.3932, 44.2470

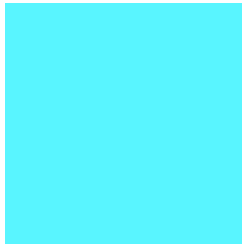


2.9114, 1.4069, 4.3807



# Previews

## White Background



This preview shows how the XYZ color 54.8222, 74.6487, 106.1269 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

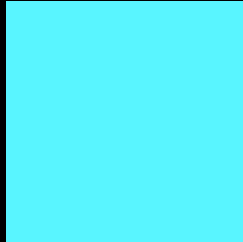
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.8222, 74.6487, 106.1269 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

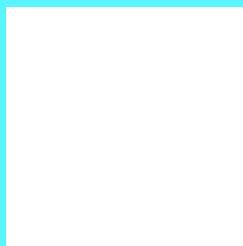
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 54.8222, 74.6487, 106.1269**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.8222, 74.6487, 106.1269.



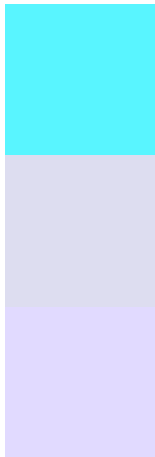
This preview shows how white text looks on a background with the XYZ color 54.8222, 74.6487,



# 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

54.8222, 74.6487, 106.1269

### Protanopia

71.4034, 73.3763, 92.8378

### Deuteranopia

74.1727, 73.3704, 104.8603



## Tritanopia

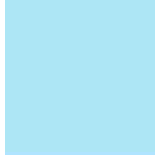
59.0698, 74.1872, 105.8140

# Trichromacy



## Original Color

54.8222, 74.6487, 106.1269



## Protanomaly

62.0118, 72.0704, 97.0288



## Deuteranomaly

63.6979, 71.9369, 105.1357



## Tritanomaly

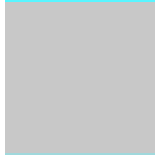
57.1130, 74.0525, 105.8911

# Monochromacy



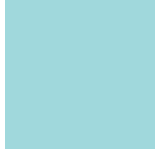
## Original Color

54.8222, 74.6487, 106.1269



## 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 54.8222, 74.6487, 106.1269 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(89, 245, 255)` looks like.

```
.text, #text, p{  
    color:rgb(89, 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(89, 245, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 245, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.8222, 74.6487, 106.1269 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(89, 245, 255) }
```



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

```
.border{ border-color:rgb(89, 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(89, 245, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 245, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 245, 255);  
box-shadow:4px 4px 4px 4px rgb(89, 245,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.8222, 74.6487, 106.1269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 245, 255) }
```

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

```
.background{ background-color: rgb(89, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor