

# Converting Colors

XYZ(71.8464, 84.3625,  
197.0067)

Have a look what the booklet for  
XYZ(71.8464, 84.3625, 197.0067)  
contains.

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# Color

**XYZ(54.5971, 77.2711,  
106.6450)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3FFBFF
RGB	63, 251, 255
RGB Percent	25%, 98%, 100%
CMY	0.7529, 0.0157, 0.0000
CMYK	0.75, 0.02, 0.00, 0.00
HSL	181°, 100%, 62%
HSV	181°, 75%, 100%
XYZ	54.5971, 77.2711, 106.6450
YIQ	195.2440, -113.3320, -38.6120

# Conversions

## Conversions Part 2

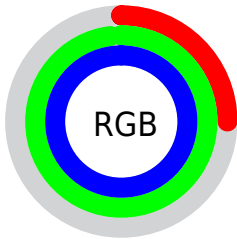
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">63, 158, 255</a>
Decimal	<a href="#">4193279</a>
CIELab	<a href="#">90.45, -43.18, -15.09</a>
CIElCh	<a href="#">90, 45.745, 199.264</a>
Yxy	<a href="#">77.2711, 0.2289, 0.3240</a>
Android (android.graphics.Color)	<a href="#">4282383359 (0xFF3FFBFF)</a>
YUV	<a href="#">195.2440, 29.4597, -115.9780</a>
Hunter-Lab	<a href="#">87.9040, -42.9657, -10.3978</a>

# Details

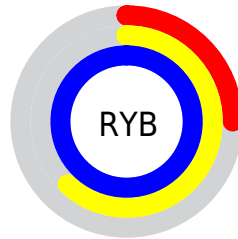
The XYZ color **54.5971, 77.2711, 106.6450** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light washed cyan. A complement of this color would be **44.1455, 25.6348, 7.3261**, and the grayscale version is **51.8989, 54.6017, 59.4613**.

A 20% lighter version of the original color is **64.6252, 84.3154, 107.4761**, and **29.4848, 42.6608, 60.1064** is the 20% darker color. If you saturate the color by 10%, you get **53.1643, 76.2883, 106.5308**, and if you desaturate by 10%, it is **56.7878, 78.6487, 106.7954**.

# Distribution



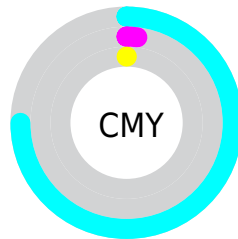
- Red (25%)
- Green (98%)
- Blue (100%)



- Red (25%)
- Yellow (62%)
- Blue (100%)



- Cyan (75%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)




- Cyan (75%)
- Magenta (2%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.5971, 77.2711, 106.6450 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 54.5971, 77.2711, 106.6450 by changing the saturation by 10% instead.





 54.5971, 77.2711,  
106.6450


 54.5971, 77.2711,  
106.6450


394.5442,  
485.6879, 602.7212


 39.3118, 57.4754,  
81.2138


 96.1022, 129.5221,  
172.3906


 27.1842, 41.3870,  
60.1857


 123.0526,  
162.7462, 213.5421

 17.8489, 28.6216,  
43.1420

 154.6222,  
201.2152, 260.7708

 10.9406, 18.7948,  
29.6644

 191.1763,  
245.3135, 314.4953

 6.0939, 11.5221,  
19.3341

233.0801,  
295.4256, 375.1340

 2.9435, 6.4192,  
11.7327

280.6992,

 1.1239, 3.1016,

351.9357, 443.1055

6.4416

334.3987,  
415.2283, 518.8284

■ 0.0450, 1.1850,  
3.0423

■ 0.0000, 0.0494,  
1.1163

■ 54.5971, 77.2711,  
106.6450

■ 54.5971, 77.2711,  
106.6450

■ 53.1643, 76.2883,  
106.5308

■ 56.7878, 78.6487,  
106.7954

■ 52.3694, 75.6334,  
106.4463

■ 59.8223, 80.4602,  
106.9852

■ 52.1399, 75.3999,  
106.4133

■ 63.7816, 82.7492,  
107.2183

■ 68.7356, 85.5517,  
107.4981

■ 74.7474, 88.9002,  
107.8276

■ 81.8751, 92.8246,  
108.2094

■ 90.1723, 97.3526,  
108.6461

■ 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.



53.9062, 77.2711, 72.9512



54.5971, 77.2711, 106.6450



60.0210, 77.2711, 141.3756

# Triad

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



54.5971, 77.2711, 106.6450



91.3782, 77.2711, 132.2302



77.6125, 77.2711, 36.2250

# Complementary

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



54.5971, 77.2711, 106.6450



44.1455, 25.6348, 7.3261

# 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.



88.7321, 77.2711, 44.9011



54.5971, 77.2711, 106.6450



97.2098, 77.2711, 96.4073

# Square

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



54.5971, 77.2711, 106.6450



80.9324, 77.2711, 158.5955



96.1942, 77.2711, 65.0389



66.4322, 77.2711, 37.6233



# Rectangle

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



54.5971, 77.2711, 106.6450



65.9374, 77.2711, 157.7534



96.1942, 77.2711, 65.0389



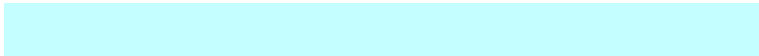
81.4994, 77.2711, 37.9474

# Sweetspot

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



54.5992, 77.2739, 106.6454



76.2779, 89.7463, 107.9102



38.8006, 72.9732, 17.2278



15.8151, 18.9264, 23.0696



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.



54.5992, 77.2739, 106.6454



52.7182, 75.9428, 106.4876



31.9571, 31.9898, 99.0981



18.5205, 20.4127, 23.2139



27.2589, 39.4275, 55.6081



2.6640, 3.8588, 5.4177



# Inverse Universe

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



60.4315, 31.7820, 94.2192



58.8887, 28.8929, 93.0988



55.0945, 47.5328, 10.9758



18.7754, 18.2935, 22.7004



30.5473, 14.7082, 48.3937

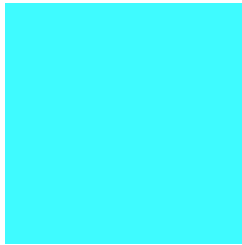


2.9793, 1.4341, 4.7383



# Previews

## White Background



This preview shows how the XYZ color 54.5971, 77.2711, 106.6450 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

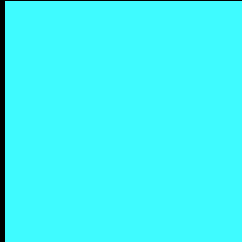
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.5971, 77.2711, 106.6450 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

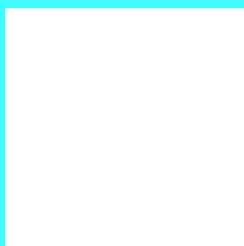
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 54.5971, 77.2711, 106.6450

## Background



This preview shows how black text looks on a background with the XYZ color 54.5971, 77.2711, 106.6450.



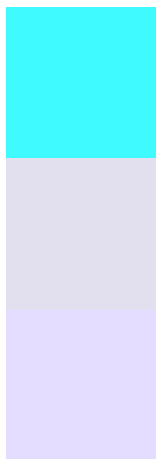
This preview shows how white text looks on a background with the XYZ color 54.5971, 77.2711,



# 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

54.5971, 77.2711, 106.6450

### Protanopia

73.4523, 75.6531, 91.6201

### Deuteranopia

76.2195, 75.5909, 105.1810



## Tritanopia

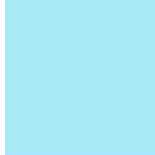
61.8997, 76.5202, 106.1151

# Trichromacy



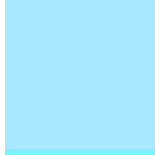
## Original Color

54.5971, 77.2711, 106.6450



## Protanomaly

61.6883, 73.5928, 96.5415



## Deuteranomaly

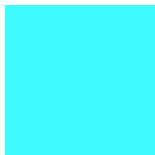
63.2688, 73.3682, 105.4346



## Tritanomaly

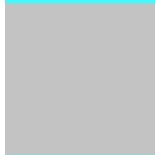
58.1736, 76.3764, 106.2838

# Monochromacy



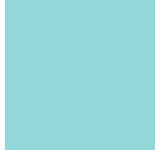
## Original Color

54.5971, 77.2711, 106.6450



## Achromatopsia

51.8711, 54.5724, 59.4294



## Achromatomaly

48.8574, 59.8137, 74.6158

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.5971, 77.2711, 106.6450 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(63, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(63, 251, 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(63, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 54.5971, 77.2711, 106.6450 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(63, 251, 255) }
```



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

```
.border{ border-color:rgb(63, 251, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(63, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.5971, 77.2711, 106.6450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 251, 255) }
```

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

```
.background{ background-color: rgb(63, 251,  
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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