

# Converting Colors

XYZ(52.2346, 71.1056,  
105.5794)

Have a look what the booklet for  
XYZ(52.2346, 71.1056, 105.5794)  
contains.

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# Color

**XYZ(52.2707, 71.1180,  
105.5799)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4DF0FF
RGB	77, 240, 255
RGB Percent	30%, 94%, 100%
CMY	0.6980, 0.0588, 0.0000
CMYK	0.70, 0.06, 0.00, 0.00
HSL	185°, 100%, 65%
HSV	185°, 70%, 100%
XYZ	52.2707, 71.1180, 105.5799
YIQ	192.9730, -101.9630, -29.8910

# Conversions

## Conversions Part 2

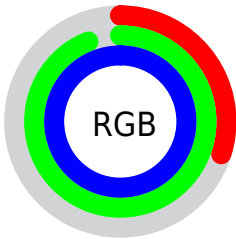
Format	Color
<a href="#">RYB</a>	<a href="#">77, 162, 255</a>
Decimal	<a href="#">5107967</a>
CIELab	<a href="#">87.54, -36.66, -19.44</a>
CIELCh	<a href="#">88, 41.490, 207.933</a>
Yxy	<a href="#">71.1180, 0.2283, 0.3106</a>
Android (android.graphics.Color)	<a href="#">4283298047 (0xFF4DF0FF)</a>
YUV	<a href="#">192.9730, 30.5793, -101.7083</a>
Hunter-Lab	<a href="#">84.3315, -36.9415, -15.1968</a>

# Details

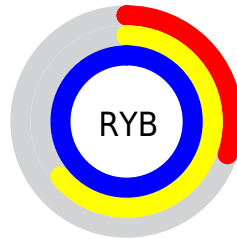
The XYZ color **52.2707, 71.1180, 105.5799** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **46.4079, 29.4517, 10.2622**, and the grayscale version is **50.5445, 53.1767, 57.9095**.

A 20% lighter version of the original color is **66.0227, 85.0359, 107.5415**, and **27.1265, 37.9442, 59.3203** is the 20% darker color. If you saturate the color by 10%, you get **49.9735, 69.0019, 105.2926**, and if you desaturate by 10%, it is **55.3851, 73.6696, 105.9083**.

# Distribution



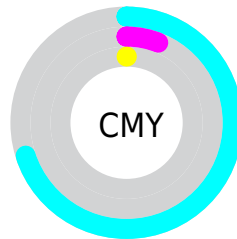
- Red (30%)
- Green (94%)
- Blue (100%)



- Red (30%)
- Yellow (64%)
- Blue (100%)



- Cyan (70%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (70%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2707, 71.1180, 105.5799 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 52.2707, 71.1180, 105.5799 by changing the saturation by 10% instead.



52.2707, 71.1180,  
105.5799

52.2707, 71.1180,  
105.5799

385.7876,  
464.4658, 599.3368

37.4460, 52.4385,  
80.3259

92.7022, 120.8017,  
170.9228

25.7283, 37.3547,  
59.4588

119.0398,  
152.5747, 211.8489

16.7521, 25.4822,  
42.5601

149.9456,  
189.4811, 258.8360

10.1521, 16.4367,  
29.2113

185.7852,  
231.9051, 312.3027

5.5630, 9.8337,  
18.9938

226.9239,  
280.2311, 372.6677

2.6193, 5.2888,  
11.4890

273.7269,

0.9558, 2.4177,

334.8437, 440.3493

6.2785

326.5597,  
396.1271, 515.7662

■ 0.0000, 0.8350,  
2.9436

■ 0.0000, 0.0000,  
1.0659

■ 52.2707, 71.1180,  
105.5799

■ 52.2707, 71.1180,  
105.5799

■ 49.9735, 69.0019,  
105.2926

■ 55.3851, 73.6696,  
105.9083

■ 48.3873, 67.2618,  
105.0403

■ 59.3951, 76.6925,  
106.2804

■ 47.3535, 65.8176,  
104.8160

■ 64.3763, 80.2273,  
106.7002

■ 47.3349, 65.7898,  
104.8116

■ 70.3946, 84.3080,  
107.1706

■ 77.5103, 88.9657,  
107.6946

■ 85.7790, 94.2290,  
108.2747

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.



50.4522, 71.1180, 75.5047



52.2707, 71.1180, 105.5799



58.0729, 71.1180, 132.7905

# Triad

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



52.2707, 71.1180, 105.5799



84.8626, 71.1180, 109.7810



68.2777, 71.1180, 35.0420

# Complementary

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



52.2707, 71.1180, 105.5799



46.4079, 29.4517, 10.2622

# 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.



78.1061, 71.1180, 40.1022



52.2707, 71.1180, 105.5799



88.2393, 71.1180, 79.3988

# Square

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



52.2707, 71.1180, 105.5799



76.8166, 71.1180, 135.5995



85.6562, 71.1180, 54.7978



59.1436, 71.1180, 38.8597

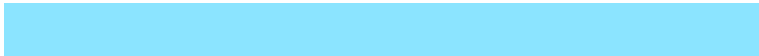


# Rectangle

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



52.2707, 71.1180, 105.5799



63.7307, 71.1180, 143.1405



85.6562, 71.1180, 54.7978



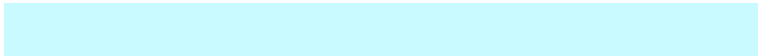
71.6136, 71.1180, 35.7288

# Sweetspot

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



52.2727, 71.1205, 105.5803



76.5960, 88.3749, 107.6288



40.7465, 73.8683, 22.2000



15.9581, 18.6322, 23.0052



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.



52.2727, 71.1205, 105.5803



49.2269, 68.2282, 105.1826



32.2061, 30.9874, 98.8915



18.4163, 20.2041, 23.1791



24.7880, 34.4856, 54.7845



2.4505, 3.4318, 5.3465



# Inverse Universe

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



59.6234, 32.8609, 85.6411



57.3052, 28.9437, 82.6508



59.0710, 54.7780, 14.4832



18.7228, 18.2724, 22.4231



29.3000, 14.2093, 41.8260

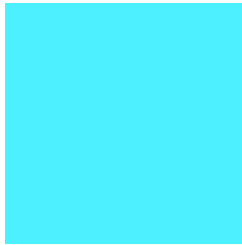


2.8715, 1.3910, 4.1708



# Previews

## White Background



This preview shows how the XYZ color 52.2707, 71.1180, 105.5799 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

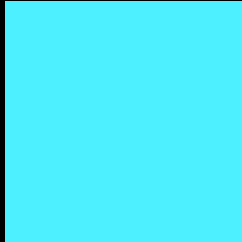
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2707, 71.1180, 105.5799 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 52.2707, 71.1180, 105.5799

## Background



This preview shows how black text looks on a background with the XYZ color 52.2707, 71.1180, 105.5799.



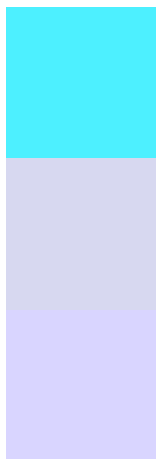
This preview shows how white text looks on a background with the XYZ color 52.2707, 71.1180,



# 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

52.2707, 71.1180, 105.5799

### Protanopia

68.3084, 69.8501, 92.3203

### Deuteranopia

70.4595, 69.5602, 104.3206



## Tritanopia

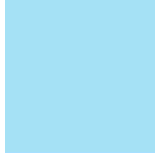
54.1599, 70.7916, 105.4174

# Trichromacy



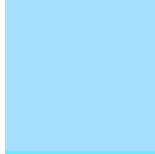
## Original Color

52.2707, 71.1180, 105.5799



## Protanomaly

58.9237, 68.4423, 96.4913



## Deuteranomaly

60.1636, 68.1023, 104.5819



## Tritanomaly

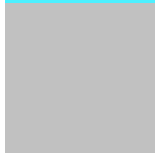
53.3439, 70.8020, 105.4624

# Monochromacy



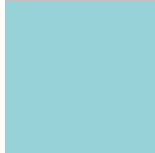
## Original Color

52.2707, 71.1180, 105.5799



## Achromatopsia

50.6879, 53.3276, 58.0738



## Achromatomaly

48.2038, 57.6304, 73.5489

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2707, 71.1180, 105.5799 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(77, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(77, 240, 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(77, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 240, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2707, 71.1180, 105.5799 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(77, 240, 255) }
```



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

```
.border{ border-color:rgb(77, 240, 255) }
```

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

Here you see how a box with a 4 pixel rgb(77, 240, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(77, 240,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2707, 71.1180, 105.5799 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 240, 255) }
```

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

```
.background{ background-color: rgb(77, 240,  
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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