

# Converting Colors

XYZ(53.4694, 79.2767, 74.7712)

Have a look what the booklet for  
XYZ(53.4694, 79.2767, 74.7712)  
contains.

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# Color

**XYZ(53.4694, 79.2767,  
74.7712)**

# Conversions

## Conversions Part 1

Format	Color
Hex	69FFD4
RGB	105, 255, 212
RGB Percent	41%, 100%, 83%
CMY	0.5882, 0.0000, 0.1686
CMYK	0.59, 0.00, 0.17, 0.00
HSL	163°, 100%, 71%
HSV	163°, 59%, 100%
XYZ	53.4694, 79.2767, 74.7712
YIQ	205.2480, -75.5970, -45.1730

# Conversions

## Conversions Part 2

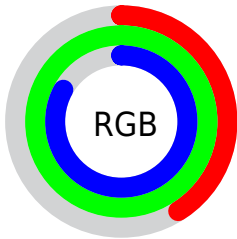
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">105, 193, 255</a>
Decimal	<a href="#">6946772</a>
CIELab	<a href="#">91.36, -50.00, 8.65</a>
CIELCh	<a href="#">91, 50.744, 170.182</a>
Yxy	<a href="#">79.2767, 0.2577, 0.3820</a>
Android (android.graphics.Color)	<a href="#">4285136852 (0xFF69FFD4)</a>
YUV	<a href="#">205.2480, 3.3287, -87.9175</a>
Hunter-Lab	<a href="#">89.0375, -48.6215, 12.5361</a>

# Details

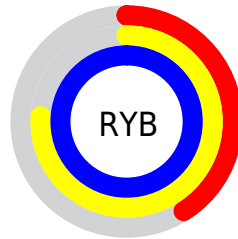
The XYZ color **53.4694, 79.2767, 74.7712** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.6377, 33.5025, 31.7634**, and the grayscale version is **58.2006, 61.2316, 66.6812**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **26.3613, 42.5263, 38.7173** is the 20% darker color. If you saturate the color by 10%, you get **50.0090, 77.5969, 69.9050**, and if you desaturate by 10%, it is **57.8710, 81.4368, 79.9022**.

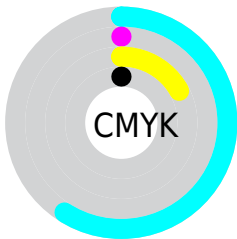
# Distribution



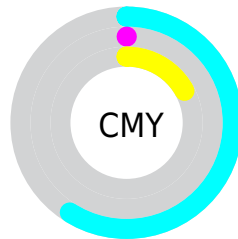
- Red (41%)
- Green (100%)
- Blue (83%)



- Red (41%)
- Yellow (76%)
- Blue (100%)



- Cyan (59%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)




- Cyan (59%)
- Magenta (0%)
- Yellow (17%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.4694, 79.2767, 74.7712 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 53.4694, 79.2767, 74.7712 by changing the saturation by 10% instead.





 53.4694, 79.2767,  
74.7712


 53.4694, 79.2767,  
74.7712


390.3149,  
492.4919, 496.3652


 38.4066, 59.1233,  
54.9249


 94.4562, 132.3483,  
127.7325

 26.4771, 42.7124,  
38.9434


 121.1109,  
166.0354, 161.6846

 17.3154, 29.6595,  
26.4082


 152.3603,  
205.0025, 201.1757

 10.5563, 19.5803,  
16.9008

188.5697,  
249.6339, 246.6244

 5.8344, 12.0903,  
10.0026

230.1045,  
300.3142, 298.4491

 2.7844, 6.8052,  
5.2950

277.3301,

 1.0408, 3.3406,

357.4277, 357.0685

2.3596

330.6118,  
421.3588, 422.9010

0.0000, 1.3120,  
0.7643

0.0000, 0.1505,  
0.0000

53.4694, 79.2767,  
74.7712

53.4694, 79.2767,  
74.7712

50.0090, 77.5969,  
69.9050

57.8710, 81.4368,  
79.9022

47.4035, 76.3532,  
65.2925

63.2843, 84.1137,  
85.2999

45.5550, 75.4949,  
60.9277

69.7763, 87.3416,  
90.9716

44.3202, 74.9484,  
56.8008

77.4070, 91.1515,  
96.9228

■ 44.1933, 74.8933,  
56.3289

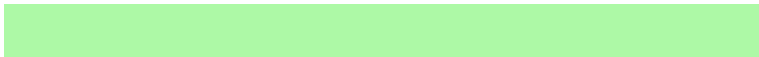
■ 86.2320, 95.5721,  
103.1587

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.



57.8695, 79.2767, 48.3735



53.4694, 79.2767, 74.7712



54.3968, 79.2767, 113.2008

# Triad

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



53.4694, 79.2767, 74.7712



84.2298, 79.2767, 171.5655



92.3635, 79.2767, 42.4676

# Complementary

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



53.4694, 79.2767, 74.7712



51.6377, 33.5025, 31.7634

# 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.



101.0926, 79.2767, 64.0699



53.4694, 79.2767, 74.7712



96.0379, 79.2767, 140.2240

# Square

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



53.4694, 79.2767, 74.7712



71.2021, 79.2767, 176.8664



102.5091, 79.2767, 98.9981

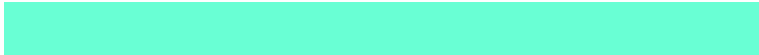


79.6562, 79.2767, 33.5622



# Rectangle

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



53.4694, 79.2767, 74.7712



57.9547, 79.2767, 140.7032



102.5091, 79.2767, 98.9981



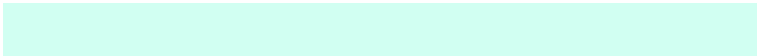
95.9187, 79.2767, 48.1385

# Sweetspot

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



53.4703, 79.2772, 74.7726



78.0861, 91.4912, 97.4242



50.8885, 79.0244, 25.9372



16.2064, 19.3293, 20.4744



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.



53.4703, 79.2772, 74.7726



49.3716, 77.2904, 68.8786



50.8018, 64.0746, 104.2978



18.3198, 20.3875, 21.9871



23.1596, 39.1604, 29.7896



2.3022, 3.8318, 3.1491



# Inverse Universe

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



51.6377, 33.5025, 31.7634



47.4417, 27.6534, 22.5252



52.4547, 39.6092, 18.2467



18.2235, 18.0727, 19.7939



22.2342, 11.3830, 4.6176

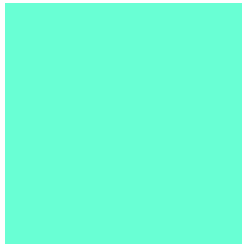


2.2096, 1.1262, 0.6850



# Previews

## White Background



This preview shows how the XYZ color 53.4694, 79.2767, 74.7712 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

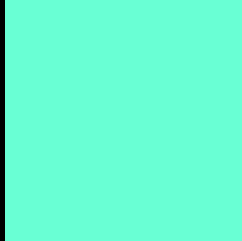
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.4694, 79.2767, 74.7712 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

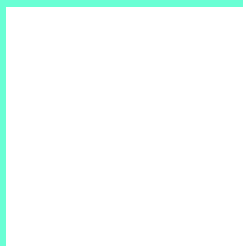
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.4694, 79.2767, 74.7712**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.4694, 79.2767, 74.7712.



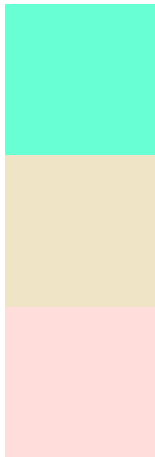
This preview shows how white text looks on a background with the XYZ color 53.4694, 79.2767,



# 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

53.4694, 79.2767, 74.7712

### Protanopia

73.8716, 78.0893, 64.6054

### Deuteranopia

79.5157, 77.8982, 77.8628



## Tritanopia

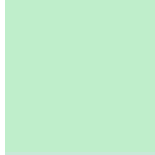
65.8675, 78.5656, 106.3008

# Trichromacy



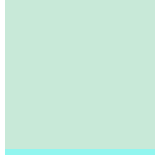
## Original Color

53.4694, 79.2767, 74.7712



## Protanomaly

62.8399, 76.5372, 67.9611



## Deuteranomaly

65.3530, 75.5151, 76.0971



## Tritanomaly

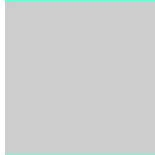
60.3898, 78.2545, 93.5831

# Monochromacy



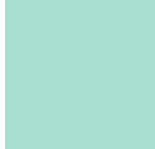
## Original Color

53.4694, 79.2767, 74.7712



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

54.1350, 65.7644, 69.5151

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.4694, 79.2767, 74.7712 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(105, 255, 212)` looks like.

```
.text, #text, p{  
    color:rgb(105, 255, 212)  
}
```

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(105, 255, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 255, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 53.4694, 79.2767, 74.7712 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(105, 255, 212) }
```



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

```
.border{ border-color:rgb(105, 255, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 255, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(105, 255,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.4694, 79.2767, 74.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 255, 212) }
```

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

```
.background{ background-color: rgb(105,  
255, 212) }
```

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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