

# Converting Colors

XYZ(54.2000, 79.6679, 74.1488)

Have a look what the booklet for  
XYZ(54.2000, 79.6679, 74.1488)  
contains.

<b>XYZ(54.2000, 79.6679, 74.1488)</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(54.2000, 79.6679,  
74.1488)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70FFD3
RGB	112, 255, 211
RGB Percent	44%, 100%, 83%
CMY	0.5608, 0.0000, 0.1725
CMYK	0.56, 0.00, 0.17, 0.00
HSL	162°, 100%, 72%
HSV	162°, 56%, 100%
XYZ	54.2000, 79.6679, 74.1488
YIQ	207.2270, -71.1040, -44.0000

# Conversions

## Conversions Part 2

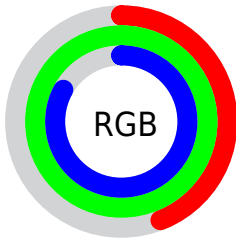
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 197, 255
Decimal	7405523
CIELab	91.54, -48.89, 9.45
CIELCh	92, 49.794, 169.063
Yxy	79.6679, 0.2606, 0.3830
Android (android.graphics.Color)	4285595603 (0xFF70FFD3)
YUV	207.2270, 1.8601, -83.5141
Hunter-Lab	89.2569, -47.8079, 13.2255

# Details

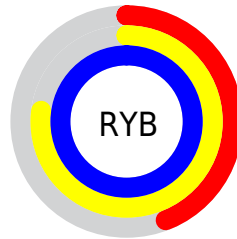
The XYZ color **54.2000, 79.6679, 74.1488** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **53.0357, 35.2498, 35.4623**, and the grayscale version is **59.4761, 62.5735, 68.1425**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **26.8037, 42.7641, 38.2941** is the 20% darker color. If you saturate the color by 10%, you get **50.4425, 77.8417, 68.9638**, and if you desaturate by 10%, it is **58.9257, 81.9876, 79.6325**.

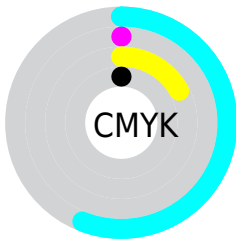
# Distribution



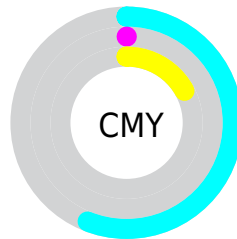
- Red (44%)
- Green (100%)
- Blue (83%)



- Red (44%)
- Yellow (77%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)



- Cyan (56%)
- Magenta (0%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 54.2000, 79.6679, 74.1488 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 54.2000, 79.6679, 74.1488 by changing the saturation by 10% instead.





 54.2000, 79.6679,  
74.1488


 54.2000, 79.6679,  
74.1488

393.0581,  
493.8129, 494.1639


 38.9929, 59.4451,  
54.4183


 95.5230, 132.8987,  
126.8427

 26.9349, 42.9715,  
38.5407


 122.3696,  
166.6755, 160.6432

 17.6607, 29.8628,  
26.0976

 153.8268,  
205.7391, 199.9708

 10.8048, 19.7345,  
16.6702

190.2598,  
250.4739, 245.2440

 6.0021, 12.2022,  
9.8402

232.0341,  
301.2643, 296.8814

 2.8870, 6.8815,  
5.1889


279.5150,


 1.0943, 3.3881,

358.4947, 355.3015

2.2979


333.0679,  
422.5494, 420.9228


 0.0203, 1.3376,  
0.7300


 0.0000, 0.1700,  
0.0000

 54.2000, 79.6679,  
74.1488


 54.2000, 79.6679,  
74.1488


 50.4425, 77.8417,  
68.9638


 58.9257, 81.9876,  
79.6325


 47.5702, 76.4664,  
64.0660


 64.6882, 84.8362,  
85.4175


 45.4898, 75.4940,  
59.4487

 71.5527, 88.2472,  
91.5116

 44.0846, 74.8643,  
55.1029

 79.5781, 92.2509,  
97.9209

 43.6500, 74.6760,  
53.4680

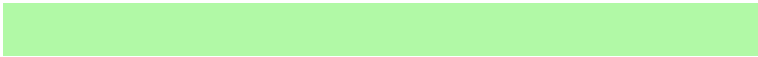
 88.8191, 96.8754,  
104.6512

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.



58.7424, 79.6679, 48.5366



54.2000, 79.6679, 74.1488



54.9193, 79.6679, 111.6322

# Triad

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



54.2000, 79.6679, 74.1488



83.9753, 79.6679, 170.9886



92.8638, 79.6679, 43.9350

# Complementary

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



54.2000, 79.6679, 74.1488



53.0357, 35.2498, 35.4623

# 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.



101.2084, 79.6679, 65.8619



54.2000, 79.6679, 74.1488



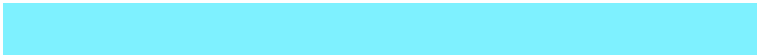
95.6937, 79.6679, 141.0699

# Square

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



54.2000, 79.6679, 74.1488



71.1856, 79.6679, 175.0501



102.2983, 79.6679, 100.6921

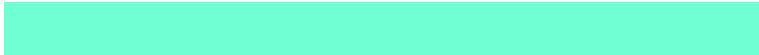


80.4470, 79.6679, 34.6282



# Rectangle

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



54.2000, 79.6679, 74.1488



58.3103, 79.6679, 138.6622



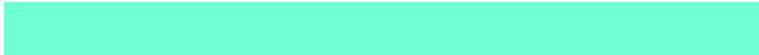
102.2983, 79.6679, 100.6921



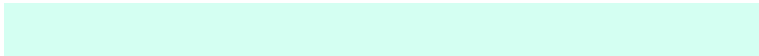
96.2946, 79.6679, 49.7354

# Sweetspot

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



54.2008, 79.6683, 74.1502



78.7868, 91.8556, 97.3156



52.6455, 79.8869, 27.9757



16.5028, 19.4807, 20.5497



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.



54.2008, 79.6683, 74.1502



50.1414, 77.6965, 68.4995



52.6923, 66.5843, 104.6826



18.3029, 20.3807, 21.8980



22.8780, 39.0478, 28.3064



2.2765, 3.8215, 3.0138



# Inverse Universe

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



53.0357, 35.2498, 35.4623



48.9172, 29.4220, 26.6620



53.2851, 40.6703, 20.3724



18.2395, 18.0791, 19.8783



22.3342, 11.4230, 5.1444

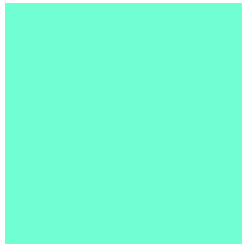


2.2210, 1.1308, 0.7452



# Previews

## White Background



This preview shows how the XYZ color 54.2000, 79.6679, 74.1488 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

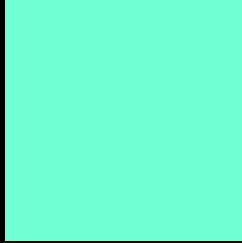
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 54.2000, 79.6679, 74.1488 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

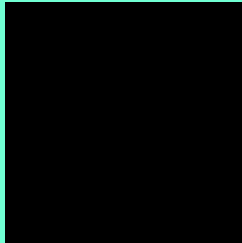
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 54.2000, 79.6679, 74.1488**

## **Background**



This preview shows how black text looks on a background with the XYZ color 54.2000, 79.6679, 74.1488.



This preview shows how white text looks on a background with the XYZ color 54.2000, 79.6679,



# 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

54.2000, 79.6679, 74.1488

### Protanopia

73.7566, 78.0433, 63.9998

### Deuteranopia

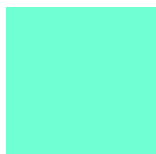
79.7513, 78.0349, 77.1886



## Tritanopia

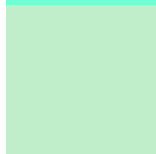
66.5186, 78.9012, 106.3313

# Trichromacy



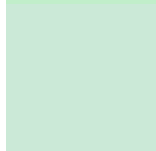
## Original Color

54.2000, 79.6679, 74.1488



## Protanomaly

63.2275, 76.7508, 67.3591



## Deuteranomaly

66.0333, 75.8806, 75.4561



## Tritanomaly

61.1134, 78.6276, 93.6170

# Monochromacy



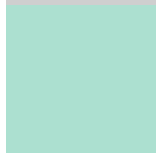
## Original Color

54.2000, 79.6679, 74.1488



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

55.0541, 66.6360, 69.6349

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 54.2000, 79.6679, 74.1488 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(112, 255, 211)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 211)  
}
```

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(112, 255, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 211) }
```

## Border

The CSS property to change the border of an element to XYZ 54.2000, 79.6679, 74.1488 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(112, 255, 211) }
```



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

```
.border{ border-color:rgb(112, 255, 211) }
```

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

Here you see how a box with a 4 pixel rgb(112, 255, 211) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 211);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
211) }
```

# Background

The CSS property to change the background color of an element to XYZ 54.2000, 79.6679, 74.1488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 255, 211) }
```

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

```
.background{ background-color: rgb(112,  
255, 211) }
```

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