

# Converting Colors

XYZ(53.9424, 79.4259, 79.0689)

Have a look what the booklet for  
XYZ(53.9424, 79.4259, 79.0689)  
contains.

<b>XYZ(53.8944, 79.4067, 78.8162)</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(53.8944, 79.4067,  
78.8162)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFDA
RGB	102, 255, 218
RGB Percent	40%, 100%, 85%
CMY	0.6000, 0.0000, 0.1451
CMYK	0.60, 0.00, 0.15, 0.00
HSL	165°, 100%, 70%
HSV	165°, 60%, 100%
XYZ	53.8944, 79.4067, 78.8162
YIQ	205.0350, -79.3110, -43.9430

# Conversions

## Conversions Part 2

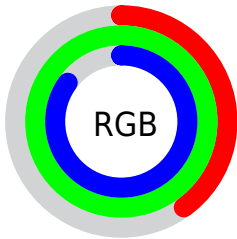
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 189, 255</a>
Decimal	<a href="#">6750170</a>
<a href="#">CIELab</a>	<a href="#">91.42, -49.16, 5.63</a>
<a href="#">CIELCh</a>	<a href="#">91, 49.484, 173.470</a>
<a href="#">Yxy</a>	<a href="#">79.4067, 0.2541, 0.3744</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4284940250 (0xFF66FFDA)</a>
<a href="#">YUV</a>	<a href="#">205.0350, 6.3917, -90.3617</a>
<a href="#">Hunter-Lab</a>	<a href="#">89.1104, -47.9856, 9.9366</a>

# Details

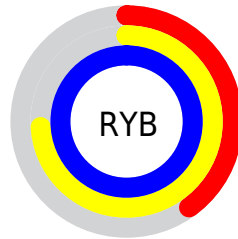
The XYZ color **53.8944, 79.4067, 78.8162** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **50.6524, 32.6281, 28.0557**, and the grayscale version is **58.0480, 61.0710, 66.5063**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **26.6397, 42.6091, 41.4707** is the 20% darker color. If you saturate the color by 10%, you get **50.6438, 77.8225, 74.5306**, and if you desaturate by 10%, it is **58.0654, 81.4619, 83.3043**.

# Distribution



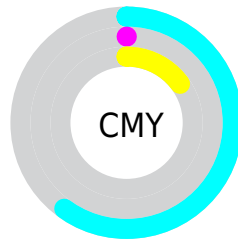
- Red (40%)
- Green (100%)
- Blue (85%)



- Red (40%)
- Yellow (74%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.8944, 79.4067, 78.8162 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 53.8944, 79.4067, 78.8162 by changing the saturation by 10% instead.





 53.8944, 79.4067,  
78.8162


 53.8944, 79.4067,  
78.8162


391.9121,  
492.9311, 510.5355


 38.7476, 59.2303,  
58.2243

 95.0770, 132.5313,  
133.4964

 26.7433, 42.7985,  
41.5731


 121.8434,  
166.2482, 168.4217

 17.5161, 29.7270,  
28.4441


 153.2138,  
205.2473, 208.9620

 10.7007, 19.6315,  
18.4187


189.5535,  
249.9132, 255.5357

 5.9318, 12.1275,  
11.0785

231.2278,  
300.6301, 308.5613

 2.8439, 6.8305,  
6.0048


278.6021,


 1.0718, 3.3564,


357.7824, 368.4575


2.7792


332.0418,  
421.7547, 435.6427


 0.0013, 1.3205,  
0.9830


 0.0000, 0.1570,  
0.0000


 53.8944, 79.4067,  
78.8162


 53.8944, 79.4067,  
78.8162


 50.6438, 77.8225,  
74.5306


 58.0654, 81.4619,  
83.3043


 48.2259, 76.6641,  
70.4378


 63.2280, 84.0249,  
87.9959


 46.5407, 75.8801,  
66.5325

 69.4497, 87.1303,  
92.8971

 45.4232, 75.3853,  
62.8055

 76.7911, 90.8092,  
98.0122

 45.4230, 75.3852,  
62.8046

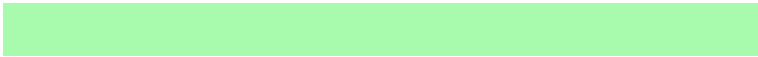
 85.3079, 95.0906,  
103.3457

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.



57.6510, 79.4067, 51.4212



53.8944, 79.4067, 78.8162



55.3819, 79.4067, 117.1032

# Triad

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



53.8944, 79.4067, 78.8162



85.5274, 79.4067, 166.8826



90.8135, 79.4067, 41.8725

# Complementary

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



53.8944, 79.4067, 78.8162



50.6524, 32.6281, 28.0557

# 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.



99.9175, 79.4067, 61.6919



53.8944, 79.4067, 78.8162



96.6362, 79.4067, 134.6212

# Square

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



53.8944, 79.4067, 78.8162



72.7551, 79.4067, 175.2088



102.1585, 79.4067, 94.5835



78.2592, 79.4067, 34.2669



# Rectangle

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



53.8944, 79.4067, 78.8162



59.2388, 79.4067, 143.4407



102.1585, 79.4067, 94.5835



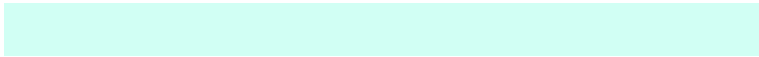
94.4328, 79.4067, 47.0086

# Sweetspot

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



53.8953, 79.4072, 78.8176



78.3968, 91.6155, 99.0601



49.0167, 78.0770, 25.0588



16.2828, 19.3598, 20.8769



0.0000, 0.0000, 0.0000

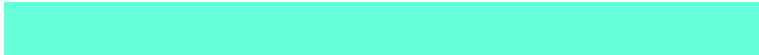


20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



53.8953, 79.4072, 78.8176



50.0958, 77.5579, 73.6958



48.2790, 59.5428, 103.5561



18.3560, 20.4019, 22.1777



23.7963, 39.4151, 33.1421



2.3597, 3.8548, 3.4522



# Inverse Universe

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



50.6524, 32.6281, 28.0557



46.6595, 27.0738, 19.2284



53.0539, 41.0500, 17.6991



18.1894, 18.0591, 19.6147



22.0469, 11.3080, 3.6313

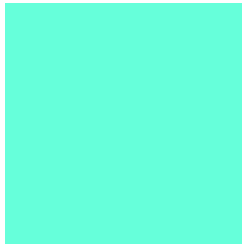


2.1874, 1.1173, 0.5680



# Previews

## White Background



This preview shows how the XYZ color 53.8944, 79.4067, 78.8162 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

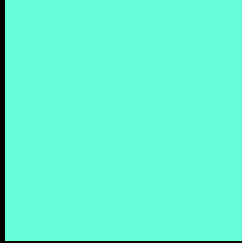
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.8944, 79.4067, 78.8162 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

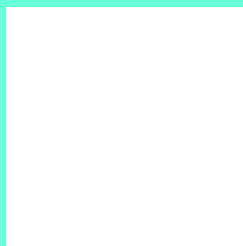
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 53.8944, 79.4067, 78.8162**

## **Background**



This preview shows how black text looks on a background with the XYZ color 53.8944, 79.4067, 78.8162.



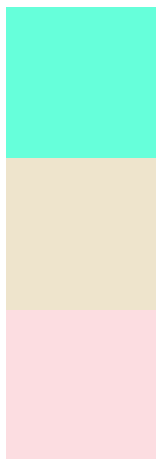
This preview shows how white text looks on a background with the XYZ color 53.8944, 79.4067,



# 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

53.8944, 79.4067, 78.8162

### Protanopia

73.9024, 78.0236, 68.2917

### Deuteranopia

79.5919, 77.8446, 82.0647



## Tritanopia

65.6537, 78.4554, 106.2908

# Trichromacy



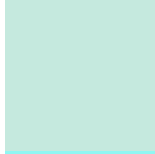
## Original Color

53.8944, 79.4067, 78.8162



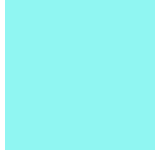
## Protanomaly

63.0694, 76.5713, 71.7772



## Deuteranomaly

65.3497, 75.4221, 80.2209



## Tritanomaly

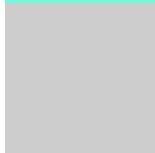
60.4844, 78.2516, 95.9206

# Monochromacy



## Original Color

53.8944, 79.4067, 78.8162



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

54.1690, 65.7533, 70.8094

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.8944, 79.4067, 78.8162 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(102, 255, 218)` looks like.

```
.text, #text, p{  
    color:rgb(102, 255, 218)  
}
```

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(102, 255, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 53.8944, 79.4067, 78.8162 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(102, 255, 218) }
```



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

```
.border{ border-color:rgb(102, 255, 218) }
```

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

Here you see how a box with a 4 pixel rgb(102, 255, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 218);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.8944, 79.4067, 78.8162 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 218) }
```

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

```
.background{ background-color: rgb(102,  
255, 218) }
```

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