

# Converting Colors

XYZ(53.1820, 79.1695, 72.9080)

Have a look what the booklet for  
XYZ(53.1820, 79.1695, 72.9080)  
contains.

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# Color

**XYZ(53.2125, 79.1876,  
72.8018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6AFFD1
RGB	106, 255, 209
RGB Percent	42%, 100%, 82%
CMY	0.5843, 0.0000, 0.1804
CMYK	0.58, 0.00, 0.18, 0.00
HSL	161°, 100%, 71%
HSV	161°, 58%, 100%
XYZ	53.2125, 79.1876, 72.8018
YIQ	205.2050, -74.0380, -45.8940

# Conversions

## Conversions Part 2

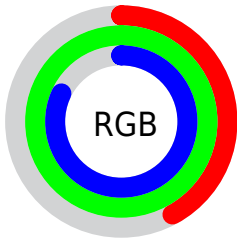
Format	Color
<a href="#">RYB</a>	<a href="#">106, 194, 255</a>
Decimal	<a href="#">7012305</a>
CIELab	<a href="#">91.32, -50.49, 10.15</a>
CIElCh	<a href="#">91, 51.499, 168.638</a>
Yxy	<a href="#">79.1876, 0.2593, 0.3859</a>
Android (android.graphics.Color)	<a href="#">4285202385 (0xFF6AFFD1)</a>
YUV	<a href="#">205.2050, 1.8709, -87.0028</a>
Hunter-Lab	<a href="#">88.9874, -48.9889, 13.7852</a>

# Details

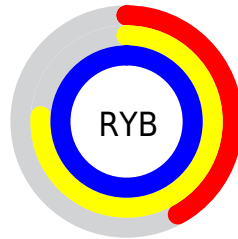
The XYZ color **53.2125, 79.1876, 72.8018** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.0623, 33.8362, 33.4940**, and the grayscale version is **58.1814, 61.2114, 66.6592**.

A 20% lighter version of the original color is **69.9584, 87.0648, 107.7257**, and **26.2593, 42.4933, 37.8284** is the 20% darker color. If you saturate the color by 10%, you get **49.6690, 77.4707, 67.6739**, and if you desaturate by 10%, it is **57.7065, 81.3889, 78.2283**.

# Distribution



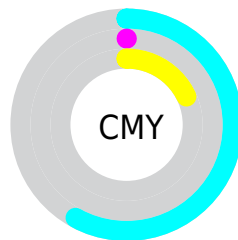
- Red (42%)
- Green (100%)
- Blue (82%)



- Red (42%)
- Yellow (76%)
- Blue (100%)



- Cyan (58%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (58%)
- Magenta (0%)
- Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 53.2125, 79.1876, 72.8018 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 53.2125, 79.1876, 72.8018 by changing the saturation by 10% instead.





 53.2125, 79.1876,  
72.8018


 53.2125, 79.1876,  
72.8018


389.3474,  
492.1908, 489.3799


 38.2006, 59.0501,  
53.3231


 94.0807, 132.2229,  
124.9141

 26.3163, 42.6534,  
37.6713


 120.6677,  
165.8895, 158.3848

 17.1944, 29.6133,  
25.4278


 151.8437,  
204.8346, 197.3565

 10.4693, 19.5452,  
16.1741

187.9742,  
249.4425, 242.2478

 5.7759, 12.0649,  
9.4918

229.4244,  
300.0977, 293.4773

 2.7486, 6.7879,  
4.9621

276.5598,

 1.0223, 3.3298,

357.1845, 351.4634

2.1667

329.7457,  
421.0874, 416.6248

0.0000, 1.3062,  
0.6551

0.0000, 0.1460,  
0.0000

53.2125, 79.1876,  
72.8018

53.2125, 79.1876,  
72.8018

49.6690, 77.4707,  
67.6739

57.7065, 81.3889,  
78.2283

46.9902, 76.1941,  
62.8331


63.2217, 84.1110,  
83.9562


45.0788, 75.3077,  
58.2723

69.8245, 87.3881,  
89.9934

43.7972, 74.7407,  
53.9814

77.5751, 91.2511,  
96.3461

 43.6238, 74.6655,  
53.3304

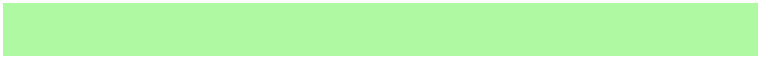
 86.5292, 95.7287,  
103.0202

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.



57.9310, 79.1876, 46.8612



53.2125, 79.1876, 72.8018



53.8704, 79.1876, 111.3363

# Triad

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



53.2125, 79.1876, 72.8018



83.5882, 79.1876, 174.0112



93.1290, 79.1876, 42.6896

# Complementary

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



53.2125, 79.1876, 72.8018



52.0623, 33.8362, 33.4940

# 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.



101.6860, 79.1876, 65.2002



53.2125, 79.1876, 72.8018



95.7528, 79.1876, 143.0822

# Square

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



53.2125, 79.1876, 72.8018



70.4208, 79.1876, 177.8144



102.6982, 79.1876, 101.1973



80.3273, 79.1876, 33.1480



# Rectangle

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



53.2125, 79.1876, 72.8018



57.2881, 79.1876, 139.4376



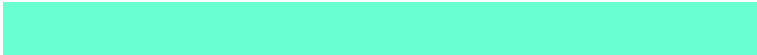
102.6982, 79.1876, 101.1973



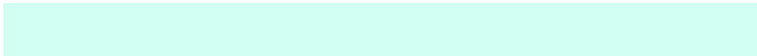
96.6578, 79.1876, 48.6296

# Sweetspot

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



53.2133, 79.1880, 72.8032



77.9346, 91.4306, 96.6261



51.5339, 79.3512, 26.2372



16.1692, 19.3144, 20.2784



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.



53.2133, 79.1880, 72.8032



49.1932, 77.2422, 66.8948



51.6511, 65.5977, 104.5471



18.3021, 20.3804, 21.8937



22.8644, 39.0424, 28.2351



2.2753, 3.8210, 3.0073



# Inverse Universe

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



52.0623, 33.8362, 33.4940



47.9970, 28.1532, 24.5933



52.2733, 39.1637, 18.4413



18.2403, 18.0794, 19.8824



22.3393, 11.4250, 5.1713

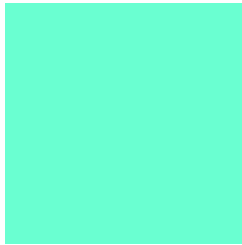


2.2216, 1.1310, 0.7482



# Previews

## White Background



This preview shows how the XYZ color 53.2125, 79.1876, 72.8018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

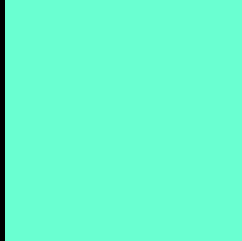
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 53.2125, 79.1876, 72.8018 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 53.2125, 79.1876, 72.8018

## Background



This preview shows how black text looks on a background with the XYZ color 53.2125, 79.1876, 72.8018.



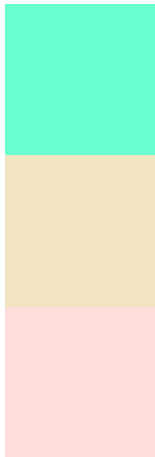
This preview shows how white text looks on a background with the XYZ color 53.2125, 79.1876,



# 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

53.2125, 79.1876, 72.8018

### Protanopia

73.5289, 77.9522, 62.8006

### Deuteranopia

79.4911, 77.9308, 75.8183



## Tritanopia

65.6537, 78.4554, 106.2908

# Trichromacy



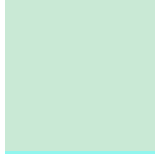
## Original Color

53.2125, 79.1876, 72.8018



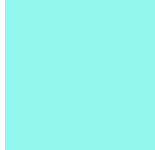
## Protanomaly

62.4857, 76.3956, 66.0961



## Deuteranomaly

65.2365, 75.4994, 74.0853



## Tritanomaly

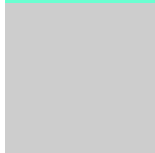
60.0654, 78.1043, 92.7988

# Monochromacy



## Original Color

53.2125, 79.1876, 72.8018



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

53.8904, 65.6666, 68.2271

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 53.2125, 79.1876, 72.8018 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(106, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(106, 255, 209)  
}
```

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(106, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 255, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 53.2125, 79.1876, 72.8018 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(106, 255, 209) }
```



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

```
.border{ border-color:rgb(106, 255, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(106, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(106, 255,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 53.2125, 79.1876, 72.8018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 255, 209) }
```

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

```
.background{ background-color: rgb(106,  
255, 209) }
```

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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