

# Converting Colors

XYZ(52.9671, 79.2924, 60.4669)

Have a look what the booklet for  
XYZ(52.9671, 79.2924, 60.4669)  
contains.

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# Color

**XYZ(52.9713, 79.3317,  
60.6648)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AFFBD
RGB	122, 255, 189
RGB Percent	48%, 100%, 74%
CMY	0.5216, 0.0000, 0.2588
CMYK	0.52, 0.00, 0.26, 0.00
HSL	150°, 100%, 74%
HSV	150°, 52%, 100%
XYZ	52.9713, 79.3317, 60.6648
YIQ	207.7090, -58.0820, -48.7220

# Conversions

## Conversions Part 2

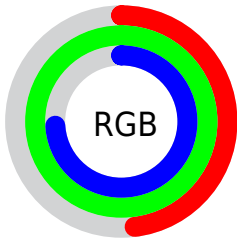
Format	Color
<a href="#">RYB</a>	<a href="#">122, 210, 255</a>
Decimal	<a href="#">8060861</a>
CIELab	<a href="#">91.38, -51.39, 20.57</a>
CIELCh	<a href="#">91, 55.358, 158.183</a>
Yxy	<a href="#">79.3317, 0.2745, 0.4111</a>
Android (android.graphics.Color)	<a href="#">4286250941 (0xFF7AFFBD)</a>
YUV	<a href="#">207.7090, -9.2235, -75.1668</a>
Hunter-Lab	<a href="#">89.0683, -49.7109, 21.9652</a>

# Details

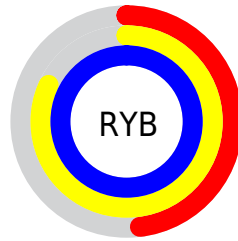
The XYZ color **52.9713, 79.3317, 60.6648** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **57.2770, 38.8105, 52.0494**, and the grayscale version is **59.8505, 62.9674, 68.5715**.

A 20% lighter version of the original color is **71.5328, 88.0577, 99.6128**, and **26.0268, 42.5516, 29.7632** is the 20% darker color. If you saturate the color by 10%, you get **48.5079, 77.1825, 53.5964**, and if you desaturate by 10%, it is **58.5029, 82.0176, 68.4115**.

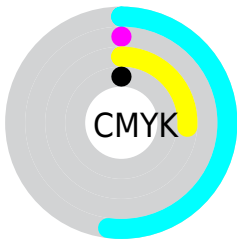
# Distribution



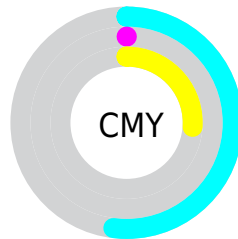
- Red (48%)
- Green (100%)
- Blue (74%)



- Red (48%)
- Yellow (82%)
- Blue (100%)



- Cyan (52%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (52%)
- Magenta (0%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.9713, 79.3317, 60.6648 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 52.9713, 79.3317, 60.6648 by changing the saturation by 10% instead.





 52.9713, 79.3317,  
60.6648


 52.9713, 79.3317,  
60.6648


388.4377,  
492.6778, 444.9164


 38.0072, 59.1686,  
43.5259

 93.7279, 132.4257,  
107.3462

 26.1656, 42.7488,  
29.9635


 120.2512,  
166.1254, 137.7259

 17.0809, 29.6881,  
19.5591


 151.3582,  
205.1061, 173.3561

 10.3878, 19.6020,  
11.8941

187.4144,  
249.7521, 214.6556

 5.7211, 12.1060,  
6.5499

228.7851,  
300.4479, 262.0429

 2.7153, 6.8159,  
3.1081


275.8356,


 1.0050, 3.3473,


357.5778, 315.9364


1.1501


328.9314,  
421.5263, 376.7547


 0.0000, 1.3156,  
0.0000


 0.0000, 0.1532,  
0.0000


 52.9713, 79.3317,  
60.6648


 52.9713, 79.3317,  
60.6648


 48.5079, 77.1825,  
53.5964


 58.5029, 82.0176,  
68.4115


 45.0320, 75.5290,  
47.1826

 65.1714, 85.2754,  
76.8511

 42.4536, 74.3250,  
41.4041

 73.0416, 89.1382,  
86.0028

 40.6640, 73.5149,  
36.2384

 82.1727, 93.6363,  
95.8835

■ 39.6867, 73.0907,  
32.5976

■ 92.6201, 98.7977,  
106.5098

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.



59.8840, 79.3317, 38.6677



52.9713, 79.3317, 60.6648



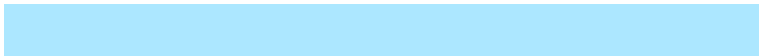
51.6685, 79.3317, 97.8836

# Triad

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



52.9713, 79.3317, 60.6648



79.3193, 79.3317, 188.0083



98.7300, 79.3317, 46.7888

# Complementary

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



52.9713, 79.3317, 60.6648



57.2770, 38.8105, 52.0494

# 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.



105.4765, 79.3317, 75.8126



52.9713, 79.3317, 60.6648



93.3939, 79.3317, 162.7174

# Square

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



52.9713, 79.3317, 60.6648



65.7883, 79.3317, 180.1259



103.4111, 79.3317, 118.4921

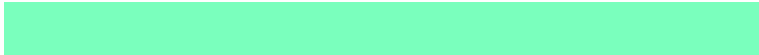


85.9103, 79.3317, 32.5662



# Rectangle

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



52.9713, 79.3317, 60.6648



53.9812, 79.3317, 128.3839



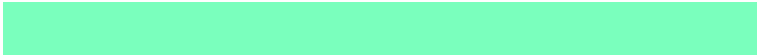
103.4111, 79.3317, 118.4921



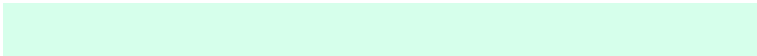
101.8515, 79.3317, 54.7090

# Sweetspot

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



52.9720, 79.3320, 60.6661



78.5098, 91.8302, 91.9979



60.1358, 83.6803, 31.3956



16.4014, 19.4569, 19.2556



0.0000, 0.0000, 0.0000

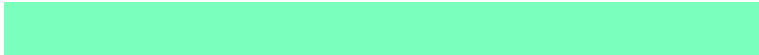


20.3446, 21.4041, 23.3091



# Same Dimension

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



52.9720, 79.3320, 60.6661



48.1775, 77.0244, 53.0299



61.8364, 82.8778, 107.3456



18.1533, 20.3209, 21.1104



20.8126, 38.2216, 17.4305



2.0816, 3.7436, 1.9876



# Inverse Universe

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



57.2770, 38.8105, 52.0494



52.9207, 32.3865, 43.5420



51.7128, 36.5849, 22.7492



18.3852, 18.1374, 20.6458



23.6100, 11.9333, 11.8627

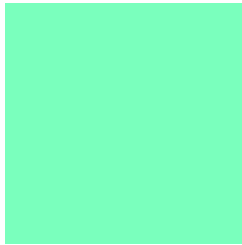


2.3539, 1.1839, 1.4451



# Previews

## White Background



This preview shows how the XYZ color 52.9713, 79.3317, 60.6648 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

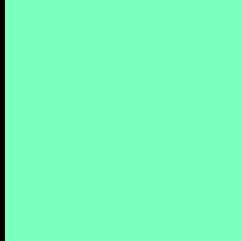
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.9713, 79.3317, 60.6648 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 52.9713, 79.3317, 60.6648**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.9713, 79.3317, 60.6648.



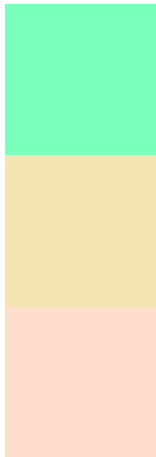
This preview shows how white text looks on a background with the XYZ color 52.9713, 79.3317,

60.6648.

# 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

52.9713, 79.3317, 60.6648

### Protanopia

72.9874, 77.8942, 52.7832

### Deuteranopia

78.2604, 77.8622, 68.0309



## Tritanopia

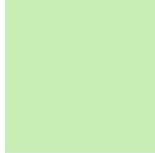
66.4437, 78.4244, 106.2432

# Trichromacy



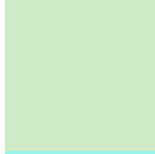
## Original Color

52.9713, 79.3317, 60.6648



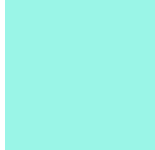
## Protanomaly

62.7344, 76.7646, 55.2267



## Deuteranomaly

65.4637, 76.2346, 65.2973



## Tritanomaly

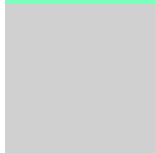
60.4026, 77.9444, 87.4625

# Monochromacy



## Original Color

52.9713, 79.3317, 60.6648



## Achromatopsia

59.9535, 63.0757, 68.6895



## Achromatomaly

55.5993, 67.4146, 65.3403

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.9713, 79.3317, 60.6648 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(122, 255, 189)` looks like.

```
.text, #text, p{  
    color:rgb(122, 255, 189)  
}
```

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(122, 255, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 255, 189) }
```

## Border

The CSS property to change the border of an element to XYZ 52.9713, 79.3317, 60.6648 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(122, 255, 189) }
```



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

```
.border{ border-color:rgb(122, 255, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 255, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 255, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 255, 189);  
box-shadow:4px 4px 4px 4px rgb(122, 255,  
189) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.9713, 79.3317, 60.6648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 255, 189) }
```

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

```
.background{ background-color: rgb(122,  
255, 189) }
```

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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