

# Converting Colors

XYZ(52.5311, 79.1234, 59.8015)

Have a look what the booklet for  
XYZ(52.5311, 79.1234, 59.8015)  
contains.

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# Color

**XYZ(52.5828, 79.1439,  
60.0819)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78FFBC
RGB	120, 255, 188
RGB Percent	47%, 100%, 74%
CMY	0.5294, 0.0000, 0.2627
CMYK	0.53, 0.00, 0.26, 0.00
HSL	150°, 100%, 74%
HSV	150°, 53%, 100%
XYZ	52.5828, 79.1439, 60.0819
YIQ	206.9970, -58.9530, -49.4570

# Conversions

## Conversions Part 2

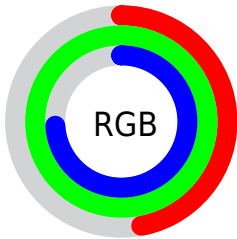
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 210, 255
Decimal	7929788
CIELab	91.30, -52.04, 20.96
CIELCh	91, 56.098, 158.065
Yxy	79.1439, 0.2741, 0.4126
Android (android.graphics.Color)	4286119868 (0xFF78FFBC)
YUV	206.9970, -9.3655, -76.2964
Hunter-Lab	88.9629, -50.1800, 22.2319

# Details

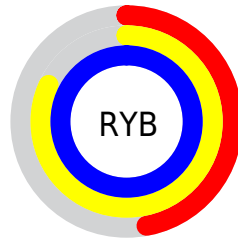
The XYZ color **52.5828, 79.1439, 60.0819** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **56.9265, 38.2815, 51.4026**, and the grayscale version is **59.3919, 62.4849, 68.0460**.

A 20% lighter version of the original color is **70.9115, 87.7550, 98.7889**, and **25.8607, 42.4660, 29.7554** is the 20% darker color. If you saturate the color by 10%, you get **48.1998, 77.0351, 53.0653**, and if you desaturate by 10%, it is **58.0282, 81.7865, 67.7754**.

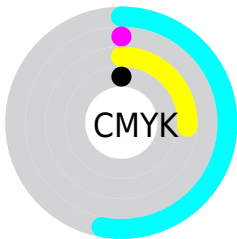
# Distribution



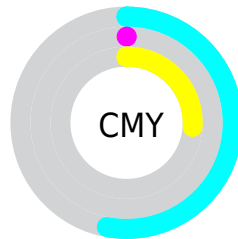
- Red (47%)
- Green (100%)
- Blue (74%)



- Red (47%)
- Yellow (82%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (26%)
- Black (0%)




- Cyan (53%)
- Magenta (0%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5828, 79.1439, 60.0819 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 52.5828, 79.1439, 60.0819 by changing the saturation by 10% instead.





 52.5828, 79.1439,  
60.0819


 52.5828, 79.1439,  
60.0819


386.9695,  
492.0430, 442.7126


 37.6960, 59.0141,  
43.0589


 93.1593, 132.1614,  
106.4930

 25.9229, 42.6245,  
29.5996


 119.5797,  
165.8180, 136.7182

 16.8984, 29.5906,  
19.2854


 150.5754,  
204.7522, 172.1812

 10.2569, 19.5280,  
11.6978

186.5116,  
249.3486, 213.3006

 5.6332, 12.0525,  
6.4182

227.7538,  
299.9915, 260.4949

 2.6619, 6.7794,  
3.0281

274.6673,

 0.9776, 3.3245,

357.0652, 314.1826

1.1090

327.6174,  
420.9543, 374.7824

■ 0.0000, 1.3034,  
0.0000

■ 0.0000, 0.1438,  
0.0000

■ 52.5828, 79.1439,  
60.0819

■ 52.5828, 79.1439,  
60.0819

■ 48.1998, 77.0351,  
53.0653

■ 58.0282, 81.7865,  
67.7754

■ 44.7977, 75.4186,  
46.7018


■ 64.6052, 84.9982,  
76.1606


■ 42.2854, 74.2477,  
40.9721

■ 72.3791, 88.8125,  
85.2566

■ 40.5522, 73.4657,  
35.8534

■ 81.4095, 93.2598,  
95.0805

 39.6857, 73.0903,  
32.5927

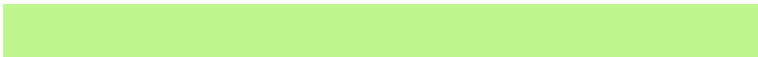
 91.7519, 98.3683,  
105.6488

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.



59.5781, 79.1439, 38.0170



52.5828, 79.1439, 60.0819



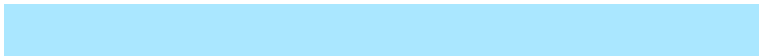
51.2467, 79.1439, 97.6463

# Triad

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



52.5828, 79.1439, 60.0819



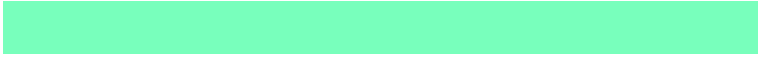
79.1297, 79.1439, 189.4266



98.8981, 79.1439, 46.3146

# Complementary

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



52.5828, 79.1439, 60.0819



56.9265, 38.2815, 51.4026

# 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.



105.7105, 79.1439, 75.6378



52.5828, 79.1439, 60.0819



93.3938, 79.1439, 163.8012

# Square

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



52.5828, 79.1439, 60.0819



65.4550, 79.1439, 181.2629



103.5785, 79.1439, 118.9010

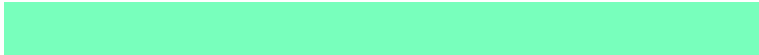


85.9194, 79.1439, 31.9932



# Rectangle

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



52.5828, 79.1439, 60.0819



53.5631, 79.1439, 128.5669



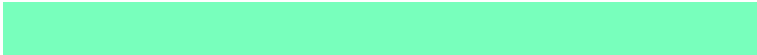
103.5785, 79.1439, 118.9010



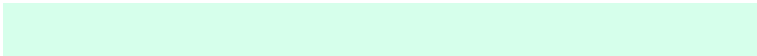
102.0552, 79.1439, 54.3045

# Sweetspot

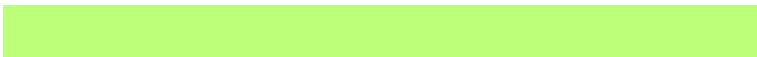
The Sweet Spot groups the original color and five complimentary colors.



52.5835, 79.1442, 60.0832



78.5095, 91.8301, 91.9962



59.7667, 83.5043, 30.7381



16.4013, 19.4569, 19.2552



0.0000, 0.0000, 0.0000

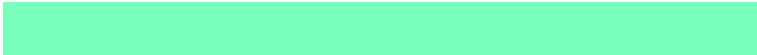


20.3446, 21.4041, 23.3091



# Same Dimension

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



52.5835, 79.1442, 60.0832



47.7942, 76.8412, 52.3601



61.5561, 82.7333, 107.3325



18.1533, 20.3208, 21.1101



20.8121, 38.2215, 17.4279



2.0816, 3.7436, 1.9873



# Inverse Universe

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



56.9265, 38.2815, 51.4026



52.5728, 31.8889, 42.8151



51.3471, 36.0497, 22.0222



18.3853, 18.1374, 20.6460



23.6105, 11.9335, 11.8652

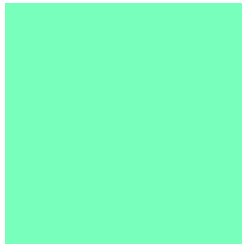


2.3540, 1.1840, 1.4453



# Previews

## White Background



This preview shows how the XYZ color 52.5828, 79.1439, 60.0819 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 52.5828, 79.1439, 60.0819 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 52.5828, 79.1439, 60.0819**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.5828, 79.1439, 60.0819.



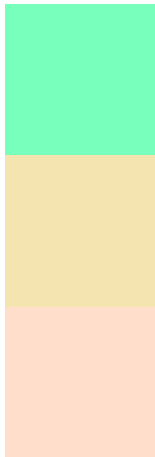
This preview shows how white text looks on a background with the XYZ color 52.5828, 79.1439,



# 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

52.5828, 79.1439, 60.0819

### Protanopia

72.7895, 77.8150, 51.7408

### Deuteranopia

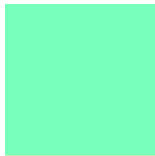
78.2604, 77.8622, 68.0309



## Tritanopia

66.2233, 78.3108, 106.2329

# Trichromacy



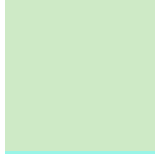
## Original Color

52.5828, 79.1439, 60.0819



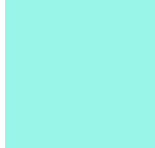
## Protanomaly

62.3659, 76.5865, 54.6757



## Deuteranomaly

65.0695, 76.0447, 64.6746



## Tritanomaly

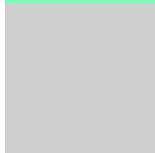
60.2131, 77.8466, 87.4536

# Monochromacy



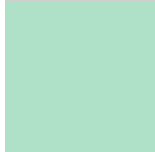
## Original Color

52.5828, 79.1439, 60.0819



## Achromatopsia

59.3074, 62.3960, 67.9493



## Achromatomaly

54.7602, 66.5954, 64.6116

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5828, 79.1439, 60.0819 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(120, 255, 188)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 188)  
}
```

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(120, 255, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 188) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5828, 79.1439, 60.0819 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(120, 255, 188) }
```



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

```
.border{ border-color:rgb(120, 255, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 188);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
188) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5828, 79.1439, 60.0819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 188) }
```

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

```
.background{ background-color: rgb(120,  
255, 188) }
```

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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