

# Converting Colors

XYZ(52.2118, 78.8677, 63.9014)

Have a look what the booklet for  
XYZ(52.2118, 78.8677, 63.9014)  
contains.

<b>XYZ(52.2924, 78.9049, 64.1038)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(52.2924, 78.9049,  
64.1038)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70FFC3
RGB	112, 255, 195
RGB Percent	44%, 100%, 76%
CMY	0.5608, 0.0000, 0.2353
CMYK	0.56, 0.00, 0.24, 0.00
HSL	155°, 100%, 72%
HSV	155°, 56%, 100%
XYZ	52.2924, 78.9049, 64.1038
YIQ	205.4030, -65.9680, -48.9760

# Conversions

## Conversions Part 2

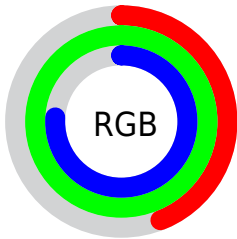
Format	Color
<a href="#">RYB</a>	<a href="#">112, 202, 255</a>
Decimal	<a href="#">7405507</a>
CIELab	<a href="#">91.19, -52.33, 17.19</a>
CIELCh	<a href="#">91, 55.078, 161.816</a>
Yxy	<a href="#">78.9049, 0.2678, 0.4040</a>
Android (android.graphics.Color)	<a href="#">4285595587 (0xFF70FFC3)</a>
YUV	<a href="#">205.4030, -5.1287, -81.9144</a>
Hunter-Lab	<a href="#">88.8284, -50.3686, 19.3928</a>

# Details

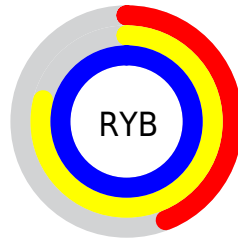
The XYZ color **52.2924, 78.9049, 64.1038** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **54.4811, 35.8277, 43.0743**, and the grayscale version is **58.3468, 61.3854, 66.8487**.

A 20% lighter version of the original color is **70.5643, 87.4325, 105.2525**, and **25.6490, 42.3067, 32.0135** is the 20% darker color. If you saturate the color by 10%, you get **48.3278, 76.9958, 57.8286**, and if you desaturate by 10%, it is **57.2636, 81.3227, 70.8812**.

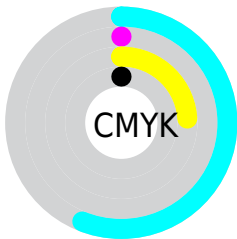
# Distribution



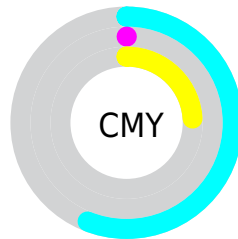
- Red (44%)
- Green (100%)
- Blue (76%)



- Red (44%)
- Yellow (79%)
- Blue (100%)



- Cyan (56%)
- Magenta (0%)
- Yellow (24%)
- Black (0%)




- Cyan (56%)
- Magenta (0%)
- Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.2924, 78.9049, 64.1038 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 52.2924, 78.9049, 64.1038 by changing the saturation by 10% instead.





 52.2924, 78.9049,  
64.1038

 52.2924, 78.9049,  
64.1038


385.8698,  
491.2346, 457.7821


 37.4634, 58.8176,  
46.2880


 92.7340, 131.8250,  
112.3613

 25.7418, 42.4663,  
32.1229


 119.0773,  
165.4266, 143.6401

 16.7622, 29.4666,  
21.1898

 149.9895,  
204.3017, 180.2437

 10.1594, 19.4341,  
13.0702

185.8358,  
248.8348, 222.5906

 5.5678, 11.9844,  
7.3456

226.9816,  
299.4102, 271.0994

 2.6223, 6.7330,  
3.5975

273.7923,

 0.9573, 3.2957,

356.4124, 326.1885

1.4072

326.6333,  
420.2257, 388.2766

0.0000, 1.2880,  
0.1473

0.0000, 0.1319,  
0.0000

52.2924, 78.9049,  
64.1038

52.2924, 78.9049,  
64.1038

48.3278, 76.9958,  
57.8286

57.2636, 81.3227,  
70.8812

45.2861, 75.5528,  
52.0385

63.3115, 84.2855,  
78.1694

43.0727, 74.5271,  
46.7206

70.5022, 87.8270,  
85.9816

41.5696, 73.8583,  
41.8592

78.8956, 91.9779,  
94.3293

■ 41.1060, 73.6584,  
40.0714

■ 88.5475, 96.7667,  
103.2235

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.



58.4979, 78.9049, 40.4406



52.2924, 78.9049, 64.1038



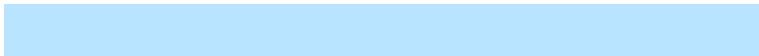
51.6885, 78.9049, 102.6227

# Triad

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



52.2924, 78.9049, 64.1038



80.6241, 78.9049, 185.1630



96.8143, 78.9049, 44.2022

# Complementary

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



52.2924, 78.9049, 64.1038



54.4811, 35.8277, 43.0743

# 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.



104.4314, 78.9049, 71.1251



52.2924, 78.9049, 64.1038



94.3383, 78.9049, 156.8178

# Square

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



52.2924, 78.9049, 64.1038



66.9345, 78.9049, 181.5030



103.4728, 78.9049, 112.1828



83.6817, 78.9049, 31.6498



# Rectangle

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



52.2924, 78.9049, 64.1038



54.4367, 78.9049, 133.1050



103.4728, 78.9049, 112.1828



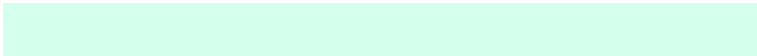
100.1740, 78.9049, 51.4479

# Sweetspot

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



52.2931, 78.9052, 64.1051



78.0691, 91.5685, 93.5362



56.1334, 81.6850, 28.1385



16.3328, 19.4127, 19.6545



0.0000, 0.0000, 0.0000

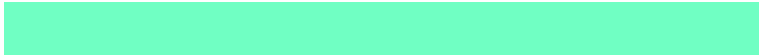


20.3446, 21.4041, 23.3091



# Same Dimension

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



52.2931, 78.9052, 64.1051



48.0097, 76.8438, 57.2741



57.5264, 76.2526, 106.2940



18.2137, 20.3450, 21.4283



21.5550, 38.5186, 21.3395



2.1533, 3.7722, 2.3651



# Inverse Universe

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



54.4811, 35.8277, 43.0743



50.4087, 30.0187, 34.5164



51.0676, 36.2354, 19.6328



18.3255, 18.1135, 20.3314



23.0058, 11.6916, 8.6809

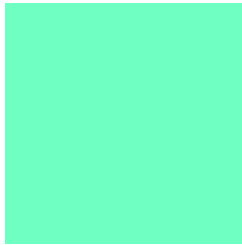


2.2931, 1.1596, 1.1247



# Previews

## White Background



This preview shows how the XYZ color 52.2924, 78.9049, 64.1038 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

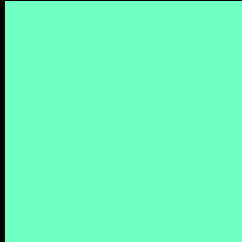
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.2924, 78.9049, 64.1038 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 52.2924, 78.9049, 64.1038**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.2924, 78.9049, 64.1038.



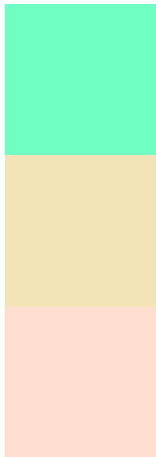
This preview shows how white text looks on a background with the XYZ color 52.2924, 78.9049,



# 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

52.2924, 78.9049, 64.1038

### Protanopia

72.8048, 77.7414, 55.4243

### Deuteranopia

78.3589, 77.4779, 69.8563



## Tritanopia

65.8675, 78.5656, 106.3008

# Trichromacy



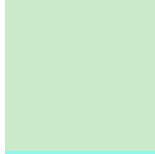
## Original Color

52.2924, 78.9049, 64.1038



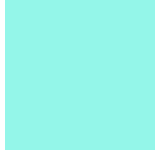
## Protanomaly

62.0499, 76.3390, 58.4782



## Deuteranomaly

64.5470, 75.2861, 67.6296



## Tritanomaly

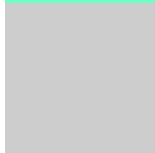
59.8765, 78.0906, 89.0080

# Monochromacy



## Original Color

52.2924, 78.9049, 64.1038



## Achromatopsia

58.0276, 61.0496, 66.4830



## Achromatomaly

53.7249, 65.6503, 65.0985

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.2924, 78.9049, 64.1038 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, 195)` looks like.

```
.text, #text, p{  
    color:rgb(112, 255, 195)  
}
```

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, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 255, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 52.2924, 78.9049, 64.1038 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, 195) }
```



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

```
.border{ border-color:rgb(112, 255, 195) }
```

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, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 255, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 255, 195);  
box-shadow:4px 4px 4px 4px rgb(112, 255,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.2924, 78.9049, 64.1038 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, 195) }
```

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

```
.background{ background-color: rgb(112,  
255, 195) }
```

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