

# Converting Colors

XYZ(52.7948, 77.2813, 69.2335)

Have a look what the booklet for  
XYZ(52.7948, 77.2813, 69.2335)  
contains.

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# Color

**XYZ(52.7324, 77.1359,  
69.2362)**

# Conversions

## Conversions Part 1

Format	Color
Hex	75FBCC
RGB	117, 251, 204
RGB Percent	46%, 98%, 80%
CMY	0.5412, 0.0157, 0.2000
CMYK	0.53, 0.00, 0.19, 0.02
HSL	159°, 94%, 72%
HSV	159°, 53%, 98%
XYZ	52.7324, 77.1359, 69.2362
YIQ	205.5760, -64.7770, -43.0250

# Conversions

## Conversions Part 2

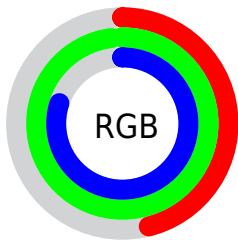
Format	Color
<a href="#">RYB</a>	<a href="#">117, 198, 251</a>
Decimal	<a href="#">7732172</a>
CIELab	<a href="#">90.38, -47.70, 11.44</a>
CIElCh	<a href="#">90, 49.054, 166.517</a>
Yxy	<a href="#">77.1359, 0.2648, 0.3874</a>
Android (android.graphics.Color)	<a href="#">4285922252 (0xFF75FBCC)</a>
YUV	<a href="#">205.5760, -0.7770, -77.6812</a>
Hunter-Lab	<a href="#">87.8270, -46.5238, 14.7392</a>

# Details

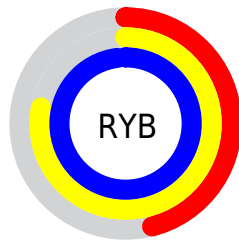
The XYZ color **52.7324, 77.1359, 69.2362** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.8484, 35.9141, 39.2716**, and the grayscale version is **58.4315, 61.4745, 66.9458**.

A 20% lighter version of the original color is **71.9415, 88.0871, 107.8185**, and **26.1122, 41.4637, 35.4812** is the 20% darker color. If you saturate the color by 10%, you get **48.7753, 75.2165, 63.6946**, and if you desaturate by 10%, it is **57.6575, 79.5514, 75.1381**.

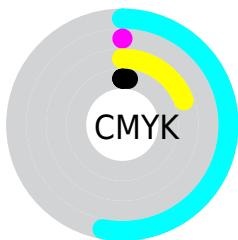
# Distribution



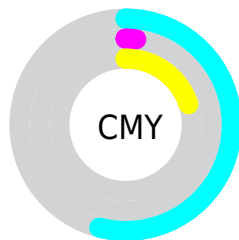
- Red (46%)
- Green (98%)
- Blue (80%)



- Red (46%)
- Yellow (78%)
- Blue (98%)



- Cyan (53%)
- Magenta (0%)
- Yellow (19%)
- Black (2%)




- Cyan (54%)
- Magenta (2%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7324, 77.1359, 69.2362 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 52.7324, 77.1359, 69.2362 by changing the saturation by 10% instead.





 52.7324, 77.1359,  
69.2362

 52.7324, 77.1359,  
69.2362


387.5353,  
485.2273, 476.5801


 37.8158, 57.3644,  
50.4311


 93.3783, 129.3313,  
119.7898

 26.0163, 41.2979,  
35.3825


 119.8384,  
162.5240, 152.3753

 16.9686, 28.5519,  
23.6718


 150.8770,  
200.9593, 190.3915

 10.3073, 18.7421,  
14.8804

186.8594,  
245.0214, 234.2568

 5.6670, 11.4841,  
8.5898

228.1511,  
295.0949, 284.3898

 2.6824, 6.3934,  
4.3815

275.1175,

 0.9881, 3.0858,

351.5641, 341.2089

1.8369

328.1237,  
414.8134, 405.1329

■ 0.0000, 1.1767,  
0.4521

■ 0.0000, 0.0425,  
0.0000

■ 52.7324, 77.1359,  
69.2362

■ 52.7324, 77.1359,  
69.2362

■ 48.7753, 75.2165,  
63.6946

■ 57.6575, 79.5514,  
75.1381

■ 45.7046, 73.7453,  
58.4994


■ 63.6109, 82.4880,  
81.4031


■ 43.4360, 72.6809,  
53.6431


■ 70.6554, 85.9799,  
88.0406

■ 41.8639, 71.9691,  
49.1154

■ 78.8470, 90.0560,  
95.0581

 41.1059, 71.6400,  
46.2937

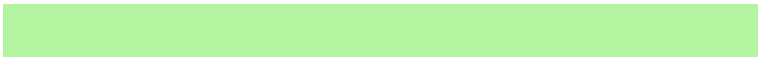
 88.2374, 94.7428,  
102.4626

 93.7885, 97.4771,  
108.4795

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



57.5339, 77.1359, 45.6278



52.7324, 77.1359, 69.2362



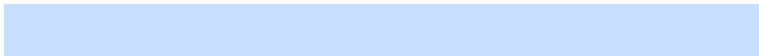
52.9917, 77.1359, 104.6397

# Triad

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



52.7324, 77.1359, 69.2362



80.2104, 77.1359, 166.5735



90.7277, 77.1359, 43.9682

# Complementary

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



52.7324, 77.1359, 69.2362



52.8484, 35.9141, 39.2716

# 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.



98.2662, 77.1359, 66.2495



52.7324, 77.1359, 69.2362



91.7471, 77.1359, 139.4155

# Square

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



52.7324, 77.1359, 69.2362



67.9652, 77.1359, 168.0359



98.6588, 77.1359, 100.6988



78.9391, 77.1359, 34.0241



# Rectangle

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



52.7324, 77.1359, 69.2362



55.9847, 77.1359, 130.8069



98.6588, 77.1359, 100.6988



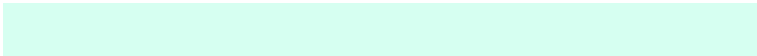
93.8975, 77.1359, 49.9320

# Sweetspot

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



52.7345, 77.1390, 69.2380



79.3807, 92.1786, 96.5841



53.4644, 78.4034, 29.1463



16.6092, 19.5401, 20.3499



0.0000, 0.0000, 0.0000

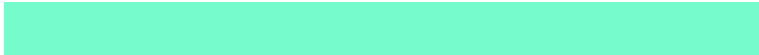


20.3446, 21.4041, 23.3091



# Same Dimension

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



52.7345, 77.1390, 69.2380



50.3186, 77.8510, 65.6531



53.9278, 69.1033, 101.7663



17.4921, 19.4991, 20.7921



21.6777, 37.6841, 24.7101



2.0579, 3.5103, 2.5529



# Inverse Universe

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



52.8484, 35.9141, 39.2716



50.4782, 31.0510, 31.7853



51.6423, 39.0864, 21.6534



17.4960, 17.3258, 19.2017



21.9009, 11.1761, 6.1864

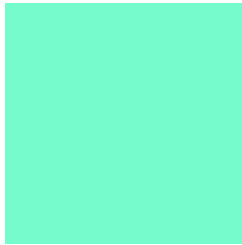


2.0765, 1.0543, 0.8264



# Previews

## White Background



This preview shows how the XYZ color 52.7324, 77.1359, 69.2362 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

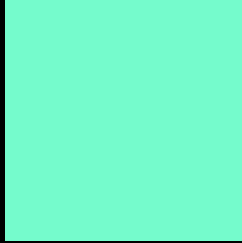
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7324, 77.1359, 69.2362 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 52.7324, 77.1359, 69.2362**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.7324, 77.1359, 69.2362.



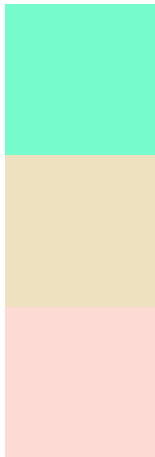
This preview shows how white text looks on a background with the XYZ color 52.7324, 77.1359, 69.2362.



# 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

52.7324, 77.1359, 69.2362

### Protanopia

71.5891, 75.7892, 60.1458

### Deuteranopia

77.3373, 75.7286, 72.1690



## Tritanopia

63.6144, 76.5301, 106.0267

# Trichromacy



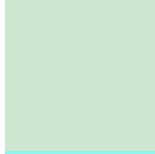
## Original Color

52.7324, 77.1359, 69.2362



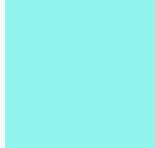
## Protanomaly

61.6348, 74.3005, 63.3175



## Deuteranomaly

64.5838, 73.9851, 70.5511



## Tritanomaly

58.8680, 76.1771, 90.9579

# Monochromacy



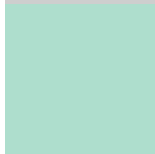
## Original Color

52.7324, 77.1359, 69.2362



## Achromatopsia

58.6655, 61.7207, 67.2138



## Achromatomaly

54.5963, 65.6490, 67.5516

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7324, 77.1359, 69.2362 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(117, 251, 204)` looks like.

```
.text, #text, p{  
    color:rgb(117, 251, 204)  
}
```

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(117, 251, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 251, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7324, 77.1359, 69.2362 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(117, 251, 204) }
```



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

```
.border{ border-color:rgb(117, 251, 204) }
```

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

Here you see how a box with a 4 pixel rgb(117, 251, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 251, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 251, 204);  
box-shadow:4px 4px 4px 4px rgb(117, 251,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7324, 77.1359, 69.2362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 251, 204) }
```

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

```
.background{ background-color: rgb(117,  
251, 204) }
```

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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