

# Converting Colors

XYZ(52.7605, 78.9532, 72.8453)

Have a look what the booklet for  
XYZ(52.7605, 78.9532, 72.8453)  
contains.

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# Color

**XYZ(52.7481, 78.9482,  
72.7800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66FFD1
RGB	102, 255, 209
RGB Percent	40%, 100%, 82%
CMY	0.6000, 0.0000, 0.1804
CMYK	0.60, 0.00, 0.18, 0.00
HSL	162°, 100%, 70%
HSV	162°, 60%, 100%
XYZ	52.7481, 78.9482, 72.7800
YIQ	204.0090, -76.4220, -46.7420

# Conversions

## Conversions Part 2

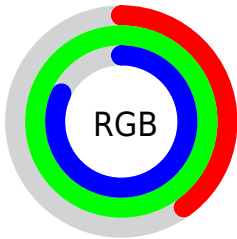
<b>Format</b>	<b>Color</b>
<b>RYB</b>	102, 192, 255
Decimal	6750161
CIELab	91.21, -51.23, 9.98
CIELCh	91, 52.188, 168.979
Yxy	78.9482, 0.2580, 0.3861
Android (android.graphics.Color)	4284940241 (0xFF66FFD1)
YUV	204.0090, 2.4606, -89.4619
Hunter-Lab	88.8528, -49.5246, 13.6321

# Details

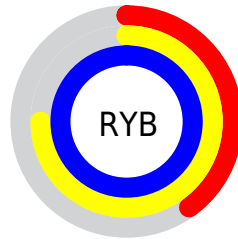
The XYZ color **52.7481, 78.9482, 72.7800** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **51.3374, 32.9019, 31.6631**, and the grayscale version is **57.4202, 60.4105, 65.7870**.

A 20% lighter version of the original color is **69.3270, 86.7393, 107.6962**, and **25.9828, 42.3507, 37.8154** is the 20% darker color. If you saturate the color by 10%, you get **49.3629, 77.3101, 67.7861**, and if you desaturate by 10%, it is **57.0691, 81.0634, 78.0588**.

# Distribution



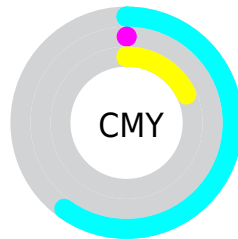
- Red (40%)
- Green (100%)
- Blue (82%)



- Red (40%)
- Yellow (75%)
- Blue (100%)



- Cyan (60%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (60%)
- Magenta (0%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.7481, 78.9482, 72.7800 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 52.7481, 78.9482, 72.7800 by changing the saturation by 10% instead.





 52.7481, 78.9482,  
72.7800


 52.7481, 78.9482,  
72.7800


387.5946,  
491.3811, 489.3023


 37.8284, 58.8532,  
53.3054


 93.4013, 131.8859,  
124.8829

 26.0261, 42.4950,  
37.6572


 119.8655,  
165.4975, 158.3482

 16.9760, 29.4891,  
25.4170


 150.9086,  
204.3833, 197.3141

 10.3126, 19.4511,  
16.1661

186.8959,  
248.9279, 242.1992

 5.6705, 11.9967,  
9.4862

228.1928,  
299.5156, 293.4221

 2.6845, 6.7414,  
4.9585

275.1647,

 0.9892, 3.3009,

356.5307, 351.4012

2.1646

328.1768,  
420.3578, 416.5551

0.0000, 1.2908,  
0.6538

0.0000, 0.1340,  
0.0000

52.7481, 78.9482,  
72.7800

52.7481, 78.9482,  
72.7800

49.3629, 77.3101,  
67.7861

57.0691, 81.0634,  
78.0588

46.8259, 76.1041,  
63.0658

62.3979, 83.6928,  
83.6252

45.0366, 75.2784,  
58.6122

68.8019, 86.8711,  
89.4868

43.8297, 74.7479,  
54.4142

76.3422, 90.6297,  
95.6496

■ 43.8295, 74.7478,  
54.4134

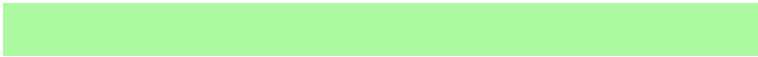
■ 85.0747, 94.9973,  
102.1193

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.



57.4452, 78.9482, 46.4824



52.7481, 78.9482, 72.7800



53.4733, 78.9482, 111.8805

# Triad

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



52.7481, 78.9482, 72.7800



83.6132, 78.9482, 174.8293



92.9910, 78.9482, 41.8998

# Complementary

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



52.7481, 78.9482, 72.7800



51.3374, 32.9019, 31.6631

# 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.



101.7372, 78.9482, 64.3902



52.7481, 78.9482, 72.7800



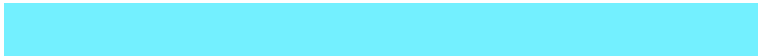
95.8990, 78.9482, 143.1501

# Square

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



52.7481, 78.9482, 72.7800



70.2820, 78.9482, 179.0609



102.8599, 78.9482, 100.6448



80.0037, 78.9482, 32.4710



# Rectangle

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



52.7481, 78.9482, 72.7800



56.9592, 78.9482, 140.3752



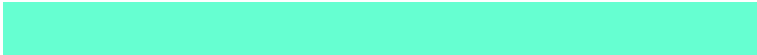
102.8599, 78.9482, 100.6448



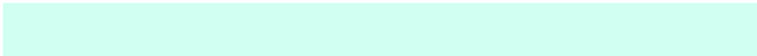
96.5866, 78.9482, 47.8145

# Sweetspot

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



52.7489, 78.9486, 72.7814



77.9899, 91.4527, 96.9176



50.8198, 79.0065, 25.1430



16.1828, 19.3198, 20.3500



0.0000, 0.0000, 0.0000

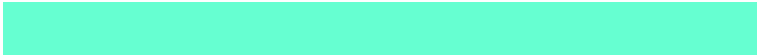


20.3446, 21.4041, 23.3091



# Same Dimension

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



52.7489, 78.9486, 72.7814



48.7900, 77.0356, 66.8194



50.9857, 64.9564, 104.4583



18.3086, 20.3830, 21.9278



22.9711, 39.0850, 28.7967



2.2850, 3.8249, 3.0586



# Inverse Universe

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



51.3374, 32.9019, 31.6631



47.3235, 27.3394, 22.7248



51.6284, 38.1991, 17.2237



18.2341, 18.0770, 19.8500



22.2998, 11.4092, 4.9634

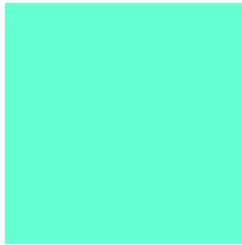


2.2171, 1.1292, 0.7247



# Previews

## White Background



This preview shows how the XYZ color 52.7481, 78.9482, 72.7800 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

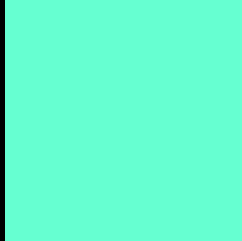
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.7481, 78.9482, 72.7800 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

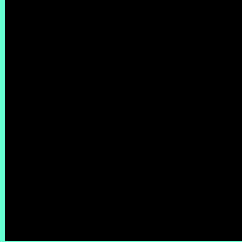
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

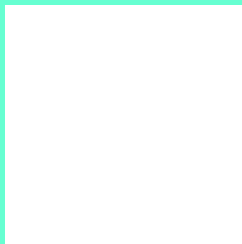
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 52.7481, 78.9482, 72.7800

## Background



This preview shows how black text looks on a background with the XYZ color 52.7481, 78.9482, 72.7800.



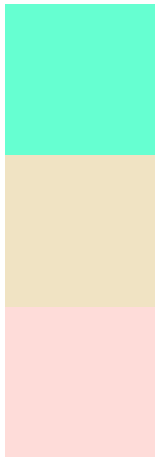
This preview shows how white text looks on a background with the XYZ color 52.7481, 78.9482, 72.7800.



# 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

52.7481, 78.9482, 72.7800

### Protanopia

73.2546, 77.4036, 62.7092

### Deuteranopia

78.9906, 77.2670, 76.3964



## Tritanopia

65.4416, 78.3461, 106.2809

# Trichromacy



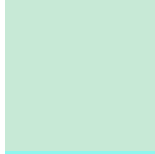
## Original Color

52.7481, 78.9482, 72.7800



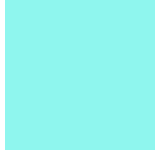
## Protanomaly

61.9447, 75.6857, 65.9875



## Deuteranomaly

64.8297, 75.2750, 74.7310



## Tritanomaly

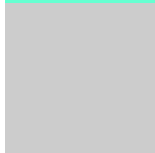
59.7161, 77.9242, 92.7824

# Monochromacy



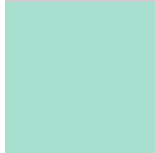
## Original Color

52.7481, 78.9482, 72.7800



## Achromatopsia

57.3938, 60.3827, 65.7568



## Achromatomaly

53.4646, 65.4471, 68.2072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.7481, 78.9482, 72.7800 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(102, 255, 209)` looks like.

```
.text, #text, p{  
    color:rgb(102, 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(102, 255, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 255, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 52.7481, 78.9482, 72.7800 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(102, 255, 209) }
```



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

```
.border{ border-color:rgb(102, 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(102, 255, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 255, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 255, 209);  
box-shadow:4px 4px 4px 4px rgb(102, 255,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.7481, 78.9482, 72.7800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 255, 209) }
```

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

```
.background{ background-color: rgb(102,  
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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