

# Converting Colors

XYZ(38.7823, 52.5388, 67.1285)

Have a look what the booklet for  
XYZ(38.7823, 52.5388, 67.1285)  
contains.

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# Color

**XYZ(38.7823, 52.5388,  
67.1285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5FD1CF
RGB	95, 209, 207
RGB Percent	37%, 82%, 81%
CMY	0.6274, 0.1804, 0.1882
CMYK	0.55, 0.00, 0.01, 0.18
HSL	179°, 55%, 60%
HSV	179°, 55%, 82%
XYZ	38.7823, 52.5388, 67.1285
YIQ	174.6860, -67.3020, -24.7900

# Conversions

## Conversions Part 2

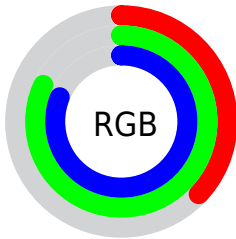
<b>Format</b>	<b>Color</b>
<b>RYB</b>	95, 153, 209
Decimal	6279631
CIELab	77.60, -32.60, -8.84
CIElCh	78, 33.780, 195.167
Yxy	52.5388, 0.2448, 0.3316
Android (android.graphics.Color)	4284469711 (0xFF5FD1CF)
YUV	174.6860, 15.9308, -69.8846
Hunter-Lab	72.4837, -31.3402, -4.1710

# Details

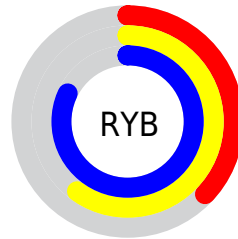
The XYZ color **38.7823, 52.5388, 67.1285** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **32.5462, 22.6045, 13.9588**, and the grayscale version is **40.5321, 42.6429, 46.4381**.

A 20% lighter version of the original color is **67.3276, 85.7086, 107.6026**, and **17.5548, 25.5397, 34.1414** is the 20% darker color. If you saturate the color by 10%, you get **36.8513, 51.5497, 66.8053**, and if you desaturate by 10%, it is **41.2989, 53.8322, 67.4820**.

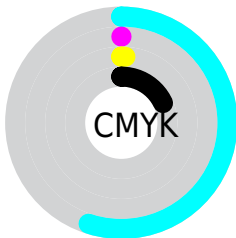
# Distribution



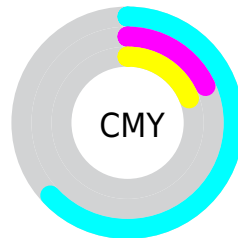
- Red (37%)
- Green (82%)
- Blue (81%)



- Red (37%)
- Yellow (60%)
- Blue (82%)



- Cyan (55%)
- Magenta (0%)
- Yellow (1%)
- Black (18%)



- Cyan (63%)
- Magenta (18%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7823, 52.5388, 67.1285 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 38.7823, 52.5388, 67.1285 by changing the saturation by 10% instead.



■ 38.7823, 52.5388,  
67.1285

■ 38.7823, 52.5388,  
67.1285

332.1872,  
396.5132, 468.9160

■ 26.7704, 37.4347,  
48.7268

■ 72.6018, 93.9254,  
116.7469

■ 17.5365, 25.5443,  
34.0387

■ 95.1401, 120.9767,  
148.8007

■ 10.7154, 16.4830,  
22.6458

■ 121.9180,  
152.7791, 186.2423

■ 5.9417, 9.8666,  
14.1293

■ 153.3007,  
189.7172, 229.4902

■ 2.8500, 5.3106,  
8.0709

189.6536,  
232.1752, 278.9630

■ 1.0749, 2.4306,  
4.0519

231.3420,

■ 0.0040, 0.8416,

280.5376, 335.0792

1.6539

278.7315,  
335.1888, 398.2573

■ 0.0000, 0.0000,  
0.3288

■ 0.0000, 0.0000,  
0.0000

■ 38.7823, 52.5388,  
67.1285

■ 38.7823, 52.5388,  
67.1285

■ 36.8513, 51.5497,  
66.8053

■ 41.2989, 53.8322,  
67.4820

■ 35.4534, 50.8342,  
66.5065


■ 44.4387, 55.4456,  
67.8640


■ 34.5349, 50.3659,  
66.2306


■ 48.2420, 57.4011,  
68.2776


■ 34.0287, 50.1101,  
65.9746


■ 52.7440, 59.7167,  
68.7244


 33.8610, 50.0264,  
65.8402

 57.9777, 62.4095,  
69.2060

 63.9739, 65.4954,  
69.7239

 70.7616, 68.9894,  
70.2794

 75.6663, 71.5126,  
70.7472

 75.7121, 71.5309,  
70.9883

# Harmonies

## Analogous

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



38.7663, 52.5388, 48.4936



38.7823, 52.5388, 67.1285



41.6049, 52.5388, 86.6495

# Triad

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



38.7823, 52.5388, 67.1285



59.3703, 52.5388, 86.4543



53.2169, 52.5388, 29.0328

# Complementary

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



38.7823, 52.5388, 67.1285



32.5462, 22.6045, 13.9588

# 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.



59.3123, 52.5388, 35.3252



38.7823, 52.5388, 67.1285



63.0695, 52.5388, 66.9036

# Square

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



38.7823, 52.5388, 67.1285



53.2907, 52.5388, 99.3533



63.0474, 52.5388, 48.3126



46.7262, 52.5388, 29.0674



# Rectangle

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



38.7823, 52.5388, 67.1285



44.8518, 52.5388, 96.3920



63.0474, 52.5388, 48.3126



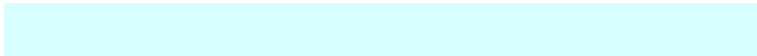
55.3917, 52.5388, 30.4056

# Sweetspot

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



38.7839, 52.5408, 67.1297



81.4848, 93.0202, 107.6642



29.9915, 49.0706, 18.7187



17.1149, 19.7423, 23.0128



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.



38.7839, 52.5408, 67.1297



57.4887, 80.6902, 104.7146



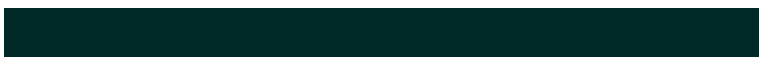
28.0846, 30.7482, 64.7785



12.1491, 13.4034, 15.1413



20.8810, 30.8454, 40.6152



1.1705, 1.7258, 2.2864



# Inverse Universe

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



32.5462, 22.6045, 13.9588



46.7720, 29.2220, 13.3373



38.9833, 35.6262, 15.6498



11.8170, 11.8116, 12.3124



16.2286, 8.3643, 0.8440

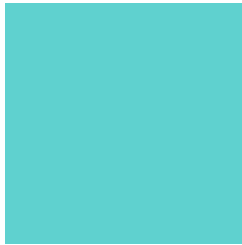


0.9104, 0.4689, 0.0631



# Previews

## White Background



This preview shows how the XYZ color 38.7823, 52.5388, 67.1285 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

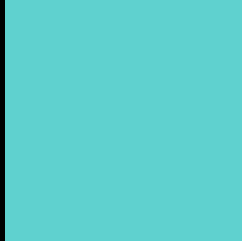
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.7823, 52.5388, 67.1285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

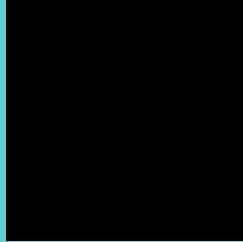
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

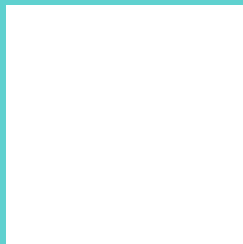
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.7823, 52.5388, 67.1285**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.7823, 52.5388, 67.1285.



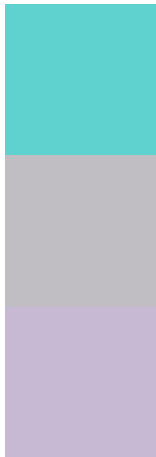
This preview shows how white text looks on a background with the XYZ color 38.7823, 52.5388,



# 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

38.7823, 52.5388, 67.1285

### Protanopia

49.7862, 51.5418, 58.9543

### Deuteranopia

52.7858, 51.5935, 69.4638



## **Tritanopia**

40.9989, 52.7201, 77.8272

# Trichromacy



**Original Color**

38.7823, 52.5388, 67.1285

**Protanomaly**

43.9534, 50.7715, 61.5161

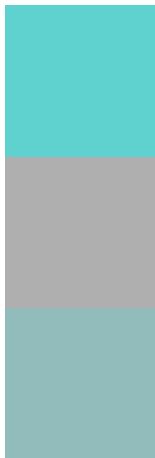
**Deuteranomaly**

45.6226, 50.8138, 68.3762

**Tritanomaly**

40.2259, 52.7742, 73.7119

# Monochromacy



**Original Color**

38.7823, 52.5388, 67.1285

**Achromatopsia**

40.7470, 42.8690, 46.6844

**Achromatomaly**

38.5940, 45.2395, 53.7117

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.7823, 52.5388, 67.1285 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(95, 209, 207)` looks like.

```
.text, #text, p{  
    color:rgb(95, 209, 207)  
}
```

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(95, 209, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 209, 207) }
```

## Border

The CSS property to change the border of an element to XYZ 38.7823, 52.5388, 67.1285 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(95, 209, 207) }
```



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

```
.border{ border-color:rgb(95, 209, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 209, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 209, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 209, 207);  
box-shadow:4px 4px 4px 4px rgb(95, 209,  
207) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.7823, 52.5388, 67.1285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 209, 207) }
```

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

```
.background{ background-color: rgb(95, 209,  
207) }
```

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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