

# Converting Colors

XYZ(40.8294, 52.9188, 64.9422)

Have a look what the booklet for  
XYZ(40.8294, 52.9188, 64.9422)  
contains.

<b>XYZ(40.8197, 52.9072, 65.1874)</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(40.8197, 52.9072,  
65.1874)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77CFCC
RGB	119, 207, 204
RGB Percent	47%, 81%, 80%
CMY	0.5333, 0.1882, 0.2000
CMYK	0.43, 0.00, 0.01, 0.19
HSL	178°, 48%, 64%
HSV	178°, 43%, 81%
XYZ	40.8197, 52.9072, 65.1874
YIQ	180.3460, -51.4850, -19.5890

# Conversions

## Conversions Part 2

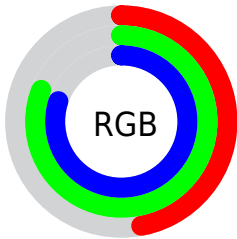
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	119, 164, 207
Decimal	7851980
CIE <sub>Lab</sub>	77.82, -27.16, -6.80
CIE <sub>LCh</sub>	78, 28.000, 194.066
Yxy	52.9072, 0.2569, 0.3329
Android (android.graphics.Color)	4286042060 (0xFF77CFCC)
YUV	180.3460, 11.6614, -53.8004
Hunter-Lab	72.7373, -27.1173, -2.2197

# Details

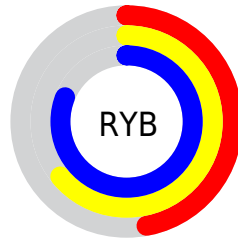
The XYZ color **40.8197, 52.9072, 65.1874** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.8437, 27.8659, 21.9039**, and the grayscale version is **43.5288, 45.7957, 49.8715**.

A 20% lighter version of the original color is **71.7145, 87.9701, 107.8079**, and **18.7199, 25.6826, 32.8248** is the 20% darker color. If you saturate the color by 10%, you get **38.1983, 51.5668, 64.6247**, and if you desaturate by 10%, it is **44.0633, 54.5708, 65.7836**.

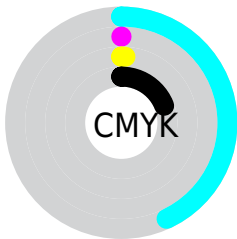
# Distribution



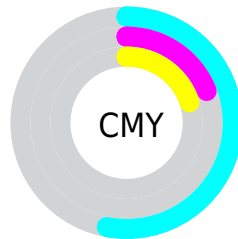
- Red (47%)
- Green (81%)
- Blue (80%)



- Red (47%)
- Yellow (64%)
- Blue (81%)



- Cyan (43%)
- Magenta (0%)
- Yellow (1%)
- Black (19%)



- Cyan (53%)
- Magenta (19%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8197, 52.9072, 65.1874 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 40.8197, 52.9072, 65.1874 by changing the saturation by 10% instead.



40.8197, 52.9072,  
65.1874

40.8197, 52.9072,  
65.1874

340.6420,  
397.9290, 461.7897

28.3653, 37.7287,  
47.1607

75.6866, 94.4678,  
113.9351

18.7431, 25.7722,  
32.8075

98.8297, 121.6187,  
145.4932

11.5877, 16.6533,  
21.7091

126.2665,  
153.5291, 182.3989

6.5338, 9.9876,  
13.4470

158.3622,  
190.5836, 225.0707

3.2160, 5.3907,  
7.6028

195.4823,  
233.1664, 273.9271

1.2690, 2.4783,  
3.7577

237.9920,

0.1598, 0.8657,

281.6620, 329.3867

1.4934

286.2568,  
336.4547, 391.8681

■ 0.0000, 0.0000,  
0.2130

■ 0.0000, 0.0000,  
0.0000

■ 40.8197, 52.9072,  
65.1874

■ 40.8197, 52.9072,  
65.1874

■ 38.1983, 51.5668,  
64.6247

■ 44.0633, 54.5708,  
65.7836

■ 36.1537, 50.5226,  
64.0898


■ 47.9615, 56.5705,  
66.4112


■ 34.6423, 49.7531,  
63.5819


■ 52.5496, 58.9259,  
67.0731


■ 33.6117, 49.2314,  
63.0985


■ 57.8595, 61.6533,  
67.7709


 32.9994, 48.9253,  
62.6366


 63.9208, 64.7680,  
68.5058

 32.7322, 48.7947,  
62.3010

 70.7616, 68.2846,  
69.2792

 75.0554, 70.4880,  
69.9354

 75.1431, 70.5231,  
70.3968

 75.2311, 70.5583,  
70.8603

# Harmonies

## Analogous

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



40.8965, 52.9072, 49.7783



40.8197, 52.9072, 65.1874



43.1484, 52.9072, 81.0175

# Triad

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



40.8197, 52.9072, 65.1874



57.9068, 52.9072, 81.8866



53.2092, 52.9072, 33.3637

# Complementary

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



40.8197, 52.9072, 65.1874



35.8437, 27.8659, 21.9039

# 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.



58.1718, 52.9072, 39.2058



40.8197, 52.9072, 65.1874



61.0144, 52.9072, 66.2162

# Square

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



40.8197, 52.9072, 65.1874



52.8682, 52.9072, 91.7702



61.1148, 52.9072, 50.6382



47.7906, 52.9072, 33.1885



# Rectangle

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



40.8197, 52.9072, 65.1874



45.8554, 52.9072, 88.9145



61.1148, 52.9072, 50.6382



54.9947, 52.9072, 34.6750

# Sweetspot

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



40.8213, 52.9093, 65.1886



83.7067, 94.1733, 107.4215



33.8700, 50.2002, 25.3586



17.5476, 19.9674, 22.9410



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.



40.8213, 52.9093, 65.1886



61.5540, 82.8137, 103.6468



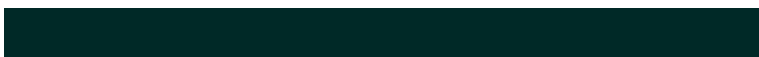
32.7641, 36.2130, 64.2967



12.1402, 13.3998, 15.0948



20.6294, 30.7447, 39.2903



1.1590, 1.7213, 2.2263



# Inverse Universe

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



35.8437, 27.8659, 21.9039



52.5555, 37.5099, 25.3740



41.3933, 39.2582, 22.8500



11.8248, 11.8147, 12.3535



16.2439, 8.3704, 0.9244

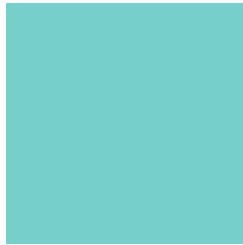


0.9141, 0.4704, 0.0826



# Previews

## White Background



This preview shows how the XYZ color 40.8197, 52.9072, 65.1874 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

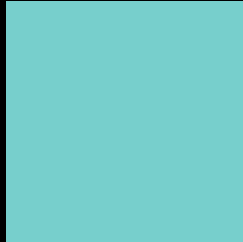
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.8197, 52.9072, 65.1874 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

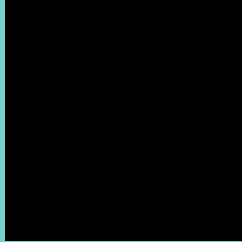
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 40.8197, 52.9072, 65.1874

## Background



This preview shows how black text looks on a background with the XYZ color 40.8197, 52.9072, 65.1874.



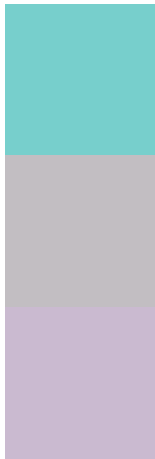
This preview shows how white text looks on a background with the XYZ color 40.8197, 52.9072,

65.1874.

# 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

40.8197, 52.9072, 65.1874

### Protanopia

50.3992, 52.1913, 58.4565

### Deuteranopia

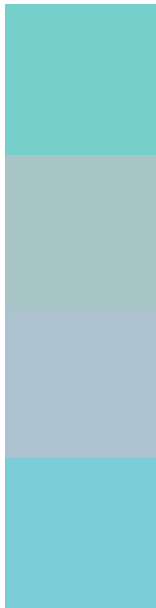
53.3012, 52.2284, 66.9463



## Tritanopia

42.9562, 52.6913, 76.3130

# Trichromacy



**Original Color**

40.8197, 52.9072, 65.1874

**Protanomaly**

45.8693, 51.7726, 61.0016

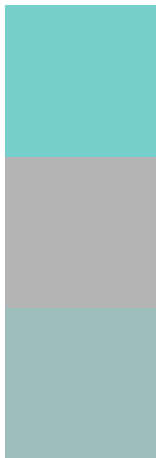
**Deuteranomaly**

47.5675, 51.8592, 66.5342

**Tritanomaly**

42.1231, 52.7065, 72.2432

# Monochromacy



**Original Color**

40.8197, 52.9072, 65.1874

**Achromatopsia**

43.3819, 45.6411, 49.7032

**Achromatomaly**

41.6993, 47.7701, 55.1669

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.8197, 52.9072, 65.1874 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(119, 207, 204)` looks like.

```
.text, #text, p{  
    color:rgb(119, 207, 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(119, 207, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 207, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 40.8197, 52.9072, 65.1874 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(119, 207, 204) }
```



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

```
.border{ border-color:rgb(119, 207, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 207, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 207, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 207, 204);  
box-shadow:4px 4px 4px 4px rgb(119, 207,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.8197, 52.9072, 65.1874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 207, 204) }
```

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

```
.background{ background-color: rgb(119,  
207, 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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