

# Converting Colors

XYZ(40.1803, 50.9117, 64.8377)

Have a look what the booklet for  
XYZ(40.1803, 50.9117, 64.8377)  
contains.

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# Color

**XYZ(40.0457, 50.7383,  
64.8096)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7ACACC
RGB	122, 202, 204
RGB Percent	48%, 79%, 80%
CMY	0.5216, 0.2078, 0.2000
CMYK	0.40, 0.01, 0.00, 0.20
HSL	181°, 45%, 64%
HSV	181°, 40%, 80%
XYZ	40.0457, 50.7383, 64.8096
YIQ	178.3080, -48.3220, -16.3380

# Conversions

## Conversions Part 2

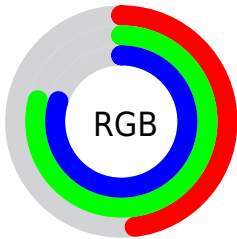
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 162, 204
Decimal	8047308
CIE Lab	76.52, -23.96, -8.72
CIE LCh	77, 25.495, 200.001
Yxy	50.7383, 0.2574, 0.3261
Android (android.graphics.Color)	4286237388 (0xFF7ACACC)
YUV	178.3080, 12.6662, -49.3821
Hunter-Lab	71.2308, -24.3019, -4.0836

# Details

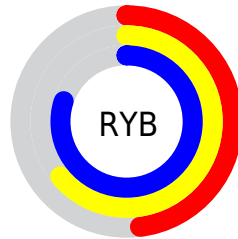
The XYZ color **40.0457, 50.7383, 64.8096** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **35.6232, 28.6585, 22.0677**, and the grayscale version is **42.4346, 44.6445, 48.6179**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **18.3417, 24.5401, 32.6242** is the 20% darker color. If you saturate the color by 10%, you get **37.3389, 49.1712, 64.6507**, and if you desaturate by 10%, it is **43.3622, 52.6227, 64.9994**.

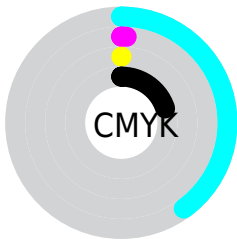
# Distribution



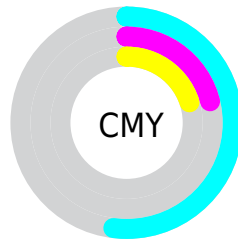
- Red (48%)
- Green (79%)
- Blue (80%)



- Red (48%)
- Yellow (64%)
- Blue (80%)



- Cyan (40%)
- Magenta (1%)
- Yellow (0%)
- Black (20%)



- Cyan (52%)
- Magenta (21%)
- Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0457, 50.7383, 64.8096 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 40.0457, 50.7383, 64.8096 by changing the saturation by 10% instead.



■ 40.0457, 50.7383,  
64.8096

■ 40.0457, 50.7383,  
64.8096

337.4473,  
389.5462, 460.3949

■ 27.7585, 36.0004,  
46.8563

■ 74.5170, 91.2678,  
113.3867

■ 18.2833, 24.4345,  
32.5686

■ 97.4319, 117.8282,  
144.8477

■ 11.2545, 15.6562,  
21.5277

■ 124.6200,  
149.0982, 181.6483

■ 6.3068, 9.2812,  
13.3153

156.4468,  
185.4622, 224.2071

■ 3.0749, 4.9251,  
7.5128

193.2775,  
227.3046, 272.9426

■ 1.1935, 2.2034,  
3.7015

235.4776,

■ 0.1012, 0.7218,

275.0098, 328.2734

1.4631

283.4124,  
328.9622, 390.6180

■ 0.0000, 0.0000,  
0.1902

■ 0.0000, 0.0000,  
0.0000

■ 40.0457, 50.7383,  
64.8096

■ 40.0457, 50.7383,  
64.8096

■ 37.3389, 49.1712,  
64.6507

■ 43.3622, 52.6227,  
64.9994

■ 35.1989, 47.8957,  
64.5173


■ 47.3188, 54.8363,  
65.2181


■ 33.5848, 46.8919,  
64.4086


■ 51.9493, 57.3980,  
65.4685


■ 32.4479, 46.1346,  
64.3223


■ 57.2837, 60.3231,  
65.7520


 31.7307, 45.5942,  
64.2558


 63.3504, 63.6262,  
66.0698

 31.3298, 45.2208,  
64.2049

 70.1760, 67.3212,  
66.4232

 74.0863, 69.5137,  
66.6404

 74.2057, 69.7527,  
66.6802

 74.3256, 69.9923,  
66.7201

# Harmonies

## Analogous

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



39.6781, 50.7383, 50.7725



40.0457, 50.7383, 64.8096



42.5211, 50.7383, 78.1227

# Triad

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



40.0457, 50.7383, 64.8096



55.6631, 50.7383, 74.0806



49.8491, 50.7383, 33.0497

# Complementary

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



40.0457, 50.7383, 64.8096



35.6232, 28.6585, 22.0677

# 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.



54.4179, 50.7383, 37.3368



40.0457, 50.7383, 64.8096



57.9192, 50.7383, 59.9735

# Square

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



40.0457, 50.7383, 64.8096



51.4584, 50.7383, 84.0617



57.4490, 50.7383, 46.6717



45.1304, 50.7383, 33.9055



# Rectangle

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



40.0457, 50.7383, 64.8096



45.1307, 50.7383, 84.0620



57.4490, 50.7383, 46.6717



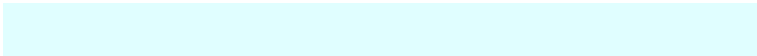
51.4581, 50.7383, 33.9054

# Sweetspot

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



40.0472, 50.7403, 64.8108



84.4372, 94.1765, 108.3353



33.2182, 48.7636, 26.5223



17.8482, 20.0335, 23.1761



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.



40.0472, 50.7403, 64.8108



62.4758, 81.8060, 107.1051



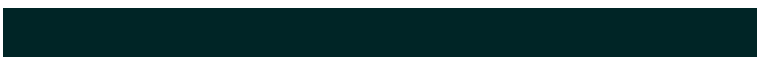
31.7821, 34.2102, 62.0558



11.5189, 12.6783, 14.4104



19.7296, 28.4831, 40.4142



1.0254, 1.4846, 2.0874



# Inverse Universe

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



42.5233, 31.0220, 59.6260



67.1464, 44.9551, 97.2484



41.7570, 40.9261, 24.1123



11.6753, 11.3989, 14.0907



22.1695, 10.6784, 34.9408

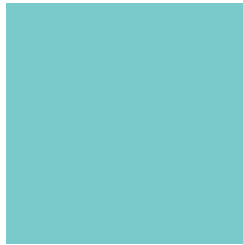


1.1475, 0.5524, 1.8227



# Previews

## White Background



This preview shows how the XYZ color 40.0457, 50.7383, 64.8096 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

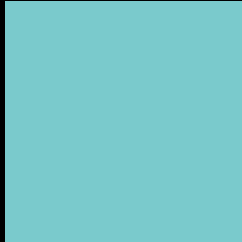
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.0457, 50.7383, 64.8096 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

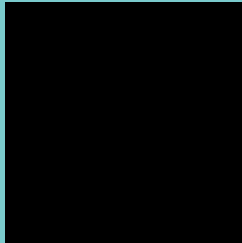
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 40.0457, 50.7383, 64.8096**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.0457, 50.7383, 64.8096.



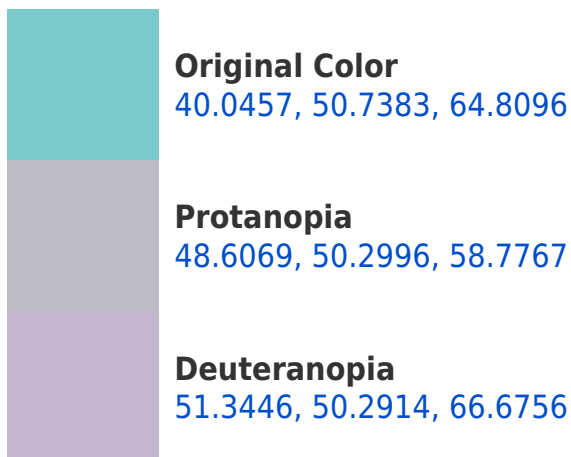
This preview shows how white text looks on a background with the XYZ color 40.0457, 50.7383,



# 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





## Tritanopia

41.5064, 50.6264, 72.5500

# Trichromacy



**Original Color**

40.0457, 50.7383, 64.8096

**Protanomaly**

44.5597, 49.7758, 60.6852

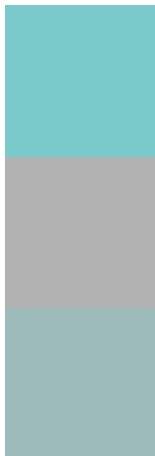
**Deuteranomaly**

46.2535, 49.8780, 66.2211

**Tritanomaly**

41.0825, 50.8118, 69.9297

# Monochromacy



**Original Color**

40.0457, 50.7383, 64.8096

**Achromatopsia**

42.3164, 44.5201, 48.4824

**Achromatomaly**

40.8405, 46.3976, 53.8168

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.0457, 50.7383, 64.8096 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(122, 202, 204)` looks like.

```
.text, #text, p{  
    color:rgb(122, 202, 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(122, 202, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 202, 204) }
```

## Border

The CSS property to change the border of an element to XYZ 40.0457, 50.7383, 64.8096 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(122, 202, 204) }
```



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

```
.border{ border-color:rgb(122, 202, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 202, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 202, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 202, 204);  
box-shadow:4px 4px 4px 4px rgb(122, 202,  
204) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.0457, 50.7383, 64.8096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 202, 204) }
```

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

```
.background{ background-color: rgb(122,  
202, 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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