

# Converting Colors

XYZ(40.3758, 48.8682, 79.2560)

Have a look what the booklet for  
XYZ(40.3758, 48.8682, 79.2560)  
contains.

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# Color

**XYZ(40.3758, 48.8682,  
79.2560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70C5E2
RGB	112, 197, 226
RGB Percent	44%, 77%, 89%
CMY	0.5608, 0.2274, 0.1137
CMYK	0.50, 0.13, 0.00, 0.11
HSL	195°, 66%, 66%
HSV	195°, 50%, 89%
XYZ	40.3758, 48.8682, 79.2560
YIQ	174.8910, -59.9690, -9.0010

# Conversions

## Conversions Part 2

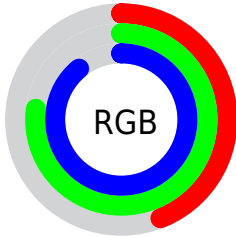
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	112, 161, 226
Decimal	7390690
CIE Lab	75.37, -17.97, -22.38
CIE LCh	75, 28.698, 231.234
Yxy	48.8682, 0.2396, 0.2900
Android (android.graphics.Color)	4285580770 (0xFF70C5E2)
YUV	174.8910, 25.1967, -55.1554
Hunter-Lab	69.9058, -19.2381, -18.2862

# Details

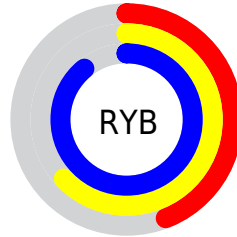
The XYZ color **40.3758, 48.8682, 79.2560** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **43.8147, 36.3897, 20.0454**, and the grayscale version is **40.5887, 42.7024, 46.5029**.

A 20% lighter version of the original color is **70.0694, 86.6497, 107.6398**, and **18.4885, 23.2633, 42.0439** is the 20% darker color. If you saturate the color by 10%, you get **36.5727, 45.0075, 78.7121**, and if you desaturate by 10%, it is **44.9534, 53.2041, 79.8525**.

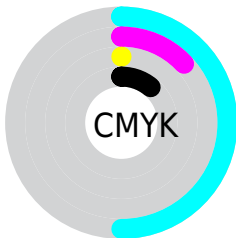
# Distribution



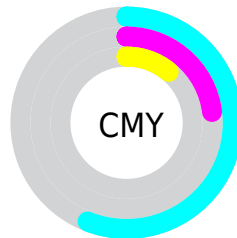
- Red (44%)
- Green (77%)
- Blue (89%)



- Red (44%)
- Yellow (63%)
- Blue (89%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (11%)



- Cyan (56%)
- Magenta (23%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3758, 48.8682, 79.2560 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 40.3758, 48.8682, 79.2560 by changing the saturation by 10% instead.



■ 40.3758, 48.8682,  
79.2560

■ 40.3758, 48.8682,  
79.2560

338.8123,  
382.2232, 512.0624

■ 28.0172, 34.5149,  
58.5838

■ 75.0161, 88.4957,  
134.1211

■ 18.4791, 23.2895,  
41.8603

■ 98.0286, 114.5387,  
169.1511

■ 11.3963, 14.8074,  
28.6672

■ 125.3230,  
145.2470, 209.8040

■ 6.4033, 8.6843,  
18.5858

157.2647,  
181.0052, 256.4985

■ 3.1348, 4.5359,  
11.1976

194.2192,  
222.1975, 309.6530

■ 1.2254, 1.9776,  
6.0841

236.5517,

■ 0.1263, 0.5944,

269.2083, 369.6862

2.8266

284.6276,  
322.4221, 437.0165

■ 0.0000, 0.0000,  
1.0068

■ 0.0000, 0.0000,  
0.0000

■ 40.3758, 48.8682,  
79.2560

■ 40.3758, 48.8682,  
79.2560

■ 36.5727, 45.0075,  
78.7121

■ 44.9534, 53.2041,  
79.8525

■ 33.4838, 41.5871,  
78.2147

■ 50.3507, 58.0363,  
80.5008

■ 31.0472, 38.5752,  
77.7618

■ 56.6147, 63.3909,  
81.2042

■ 29.1873, 35.9320,  
77.3497

■ 63.7877, 69.2902,  
81.9648

■ 27.8248, 33.6855,  
76.9878

■ 71.9087, 75.7554,  
82.7847

■ 81.0148, 82.8061,  
83.6656

■ 85.3231, 87.4620,  
84.3373

■ 87.0168, 90.8493,  
84.9018

■ 88.7643, 94.3443,  
85.4843

# Harmonies

## Analogous

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



37.6117, 48.8682, 64.4515



40.3758, 48.8682, 79.2560



44.9175, 48.8682, 87.4340

# Triad

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



40.3758, 48.8682, 79.2560



57.2230, 48.8682, 57.7648



42.8664, 48.8682, 30.4460

# Complementary

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



40.3758, 48.8682, 79.2560



43.8147, 36.3897, 20.0454

# 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.



48.0124, 48.8682, 29.3332



40.3758, 48.8682, 79.2560



56.5695, 48.8682, 43.3566

# Square

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



40.3758, 48.8682, 79.2560



54.8231, 48.8682, 73.5727



53.0999, 48.8682, 33.6036



38.9720, 48.8682, 36.9993



# Rectangle

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



40.3758, 48.8682, 79.2560



48.4542, 48.8682, 87.1314



53.0999, 48.8682, 33.6036



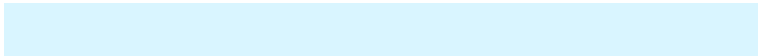
44.4975, 48.8682, 29.4797

# Sweetspot

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



40.3774, 48.8700, 79.2572



79.3252, 87.4017, 107.2971



38.6504, 59.7469, 34.5016



16.5545, 18.3577, 22.9208



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.



40.3774, 48.8700, 79.2572



47.6553, 58.7189, 103.4299



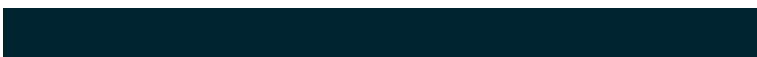
29.8624, 27.8400, 75.7522



13.8060, 14.9511, 17.5459



15.9736, 19.4168, 43.9543



1.1775, 1.4865, 3.0701



# Inverse Universe

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



47.2376, 31.7898, 56.4715



58.0658, 35.1977, 68.3144



54.3699, 57.4999, 23.5638



14.1383, 13.8729, 16.4984



22.0030, 10.8682, 22.4791

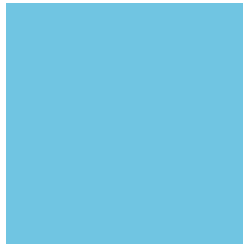


1.5606, 0.7675, 1.7450



# Previews

## White Background



This preview shows how the XYZ color 40.3758, 48.8682, 79.2560 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

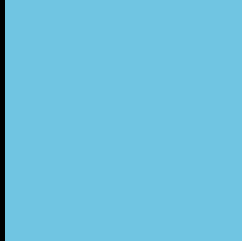
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.3758, 48.8682, 79.2560 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 40.3758, 48.8682, 79.2560

## Background



This preview shows how black text looks on a background with the XYZ color 40.3758, 48.8682, 79.2560.



This preview shows how white text looks on a background with the XYZ color 40.3758, 48.8682,



# 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

40.3758, 48.8682, 79.2560

### Protanopia

47.8180, 48.3417, 72.4562

### Deuteranopia

49.4891, 48.4082, 80.8641



## Tritanopia

38.8735, 48.9413, 71.6877

# Trichromacy



## Original Color

40.3758, 48.8682, 79.2560

## Protanomaly

44.2279, 48.0038, 74.6447

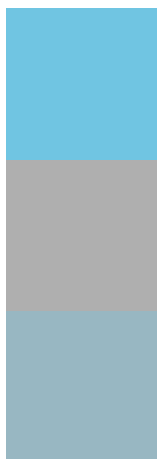
## Deuteranomaly

45.2915, 48.1106, 80.2980

## Tritanomaly

39.2869, 48.7539, 74.3576

# Monochromacy



## Original Color

40.3758, 48.8682, 79.2560

## Achromatopsia

40.7470, 42.8690, 46.6844

## Achromatomaly

39.6200, 44.4374, 57.5280

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3758, 48.8682, 79.2560 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(112, 197, 226)` looks like.

```
.text, #text, p{  
    color:rgb(112, 197, 226)  
}
```

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(112, 197, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 197, 226) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3758, 48.8682, 79.2560 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(112, 197, 226) }
```



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

```
.border{ border-color:rgb(112, 197, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 197, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(112, 197, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(112, 197, 226); box-shadow:4px 4px 4px 4px rgb(112, 197, 226) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3758, 48.8682, 79.2560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 197, 226) }
```

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

```
.background{ background-color: rgb(112,  
197, 226) }
```

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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