

Converting Colors

XYZ(38.0938, 47.9831, 60.3914)

Have a look what the booklet for
XYZ(38.0938, 47.9831, 60.3914)
contains.

XYZ(38.1853, 48.1473, 60.7069)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.1853, 48.1473,
60.7069)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC5C6
RGB	122, 197, 198
RGB Percent	48%, 77%, 78%
CMY	0.5216, 0.2274, 0.2235
CMYK	0.38, 0.01, 0.00, 0.22
HSL	181°, 40%, 63%
HSV	181°, 38%, 78%
XYZ	38.1853, 48.1473, 60.7069
YIQ	174.6890, -45.0210, -15.5890

Conversions

Conversions Part 2

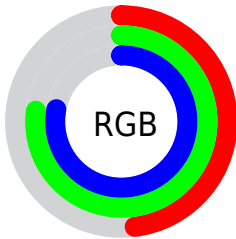
Format	Color
R_{YB}	122, 160, 198
Decimal	8046022
CIE _{Lab}	74.92, -22.95, -7.86
CIE _{LCh}	75, 24.254, 198.897
Yxy	48.1473, 0.2597, 0.3274
Android (android.graphics.Color)	4286236102 (0xFF7AC5C6)
YUV	174.6890, 11.4923, -46.2083
Hunter-Lab	69.3883, -23.1985, -3.3003

Details

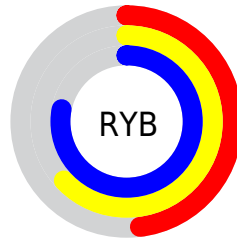
The XYZ color **38.1853, 48.1473, 60.7069** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.8852, 27.5773, 21.9503**, and the grayscale version is **40.5472, 42.6588, 46.4554**.

A 20% lighter version of the original color is **71.8519, 87.5686, 107.7232**, and **17.1712, 22.8518, 29.8914** is the 20% darker color. If you saturate the color by 10%, you get **35.6038, 46.7301, 60.5702**, and if you desaturate by 10%, it is **41.3409, 49.8630, 60.8726**.

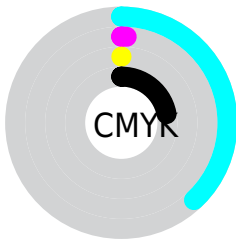
Distribution



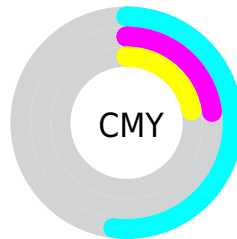
- Red (48%)
- Green (77%)
- Blue (78%)



- Red (48%)
- Yellow (63%)
- Blue (78%)



- Cyan (38%)
- Magenta (1%)
- Yellow (0%)
- Black (22%)



- Cyan (52%)
- Magenta (23%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1853, 48.1473, 60.7069 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 38.1853, 48.1473, 60.7069 by changing the saturation by 10% instead.

■ 38.1853, 48.1473,
60.7069

■ 38.1853, 48.1473,
60.7069

329.6813,
379.3757, 445.0753

■ 26.3044, 33.9436,
43.5597

■ 71.6941, 87.4237,
107.4078

■ 17.1854, 22.8502,
29.9898

■ 94.0528, 113.2651,
137.7986

■ 10.4629, 14.4830,
19.5789

■ 120.6347,
143.7545, 173.4409

■ 5.7715, 8.4573,
11.9083

151.8053,
179.2764, 214.7534

■ 2.7460, 4.3890,
6.5595

187.9299,
220.2150, 262.1545

■ 1.0209, 1.8934,
3.1139

229.3739,

■ 0.0000, 0.5444,

266.9548, 316.0628

1.1531

276.5026,
319.8803, 376.8969

■ 0.0000, 0.0000,
0.0000

■ 38.1853, 48.1473,
60.7069

■ 38.1853, 48.1473,
60.7069

■ 35.6038, 46.7301,
60.5702

■ 41.3409, 49.8630,
60.8726

■ 33.5572, 45.5876,
60.4576

■ 45.0984, 51.8879,
61.0654

■ 32.0082, 44.7018,
60.3683

■ 49.4886, 54.2391,
61.2878

■ 30.9129, 44.0501,
60.3002

■ 54.5394, 56.9311,
61.5412

■ 30.2198, 43.6058,
60.2510

■ 60.2766, 59.9770,
61.8268

■ 29.8480, 43.3273,
60.2168

■ 66.7250, 63.3898,
62.1456

■ 29.7984, 43.2877,
60.2118

■ 71.8160, 66.1029,
62.4010

■ 71.8758, 66.2225,
62.4209

■ 71.9357, 66.3423,
62.4409

Harmonies

Analogous

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



37.9210, 48.1473, 47.8765



38.1853, 48.1473, 60.7069



40.4009, 48.1473, 72.9817

Triad

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



38.1853, 48.1473, 60.7069



52.4684, 48.1473, 70.1041



47.4183, 48.1473, 31.9876

Complementary

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



38.1853, 48.1473, 60.7069



33.8852, 27.5773, 21.9503

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.



51.5788, 48.1473, 36.1425



38.1853, 48.1473, 60.7069



54.6169, 48.1473, 57.2512

Square

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



38.1853, 48.1473, 60.7069



48.5700, 48.1473, 78.9813



54.2812, 48.1473, 44.9314



43.0655, 48.1473, 32.6075

Rectangle

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



38.1853, 48.1473, 60.7069



42.7710, 48.1473, 78.5611



54.2812, 48.1473, 44.9314



48.8904, 48.1473, 32.8414

Sweetspot

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



38.1867, 48.1492, 60.7080



84.5466, 94.3952, 108.3718



31.7339, 45.9318, 25.6065



17.8741, 20.0854, 23.1848



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.



38.1867, 48.1492, 60.7080



63.7523, 83.1390, 107.2951



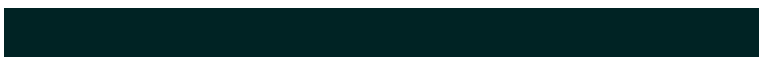
30.7908, 33.3574, 58.2427



10.9343, 12.0427, 13.6657



19.3837, 28.1612, 39.1584



0.9217, 1.3413, 1.8555

Inverse Universe

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



40.3274, 29.9571, 56.4823



68.0885, 46.4722, 98.6944



39.3733, 38.5535, 23.7797



11.0769, 10.8141, 13.3881



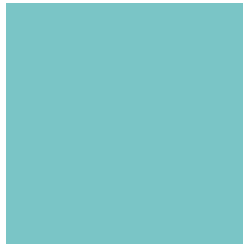
21.5833, 10.3829, 34.6112



1.0239, 0.4924, 1.6492

Previews

White Background



This preview shows how the XYZ color 38.1853, 48.1473, 60.7069 looks on a white background.

Color Contrast Check

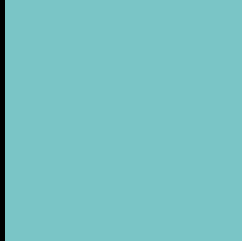
Large Text (above 18pt) WCAG AA × Fail

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 38.1853, 48.1473, 60.7069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

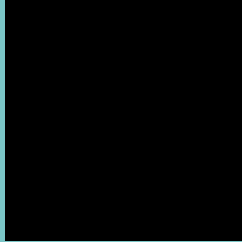
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.1853, 48.1473, 60.7069

Background



This preview shows how black text looks on a background with the XYZ color 38.1853, 48.1473, 60.7069.



This preview shows how white text looks on a background with the XYZ color 38.1853, 48.1473,

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

38.1853, 48.1473, 60.7069

Protanopia

46.1264, 47.8554, 54.9500

Deuteranopia

48.7731, 47.8419, 62.5409



Tritanopia

39.7304, 48.0933, 68.8169

Trichromacy



Original Color

38.1853, 48.1473, 60.7069

Protanomaly

42.3979, 47.4536, 56.7940

Deuteranomaly

44.0379, 47.5503, 62.1154

Tritanomaly

39.1927, 48.2212, 65.6345

Monochromacy



Original Color

38.1853, 48.1473, 60.7069

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

39.1910, 44.3538, 51.2953

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1853, 48.1473, 60.7069 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, 197, 198)` looks like.

```
.text, #text, p{  
    color:rgb(122, 197, 198)  
}
```

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, 197, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 197, 198) }
```

Border

The CSS property to change the border of an element to XYZ 38.1853, 48.1473, 60.7069 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, 197, 198) }
```


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

```
.border{ border-color:rgb(122, 197, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 197, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 197, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 197, 198);  
box-shadow:4px 4px 4px 4px rgb(122, 197,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1853, 48.1473, 60.7069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 197, 198) }
```

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

```
.background{ background-color: rgb(122,  
197, 198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor