

Converting Colors

XYZ(38.8100, 48.9524, 60.0853)

Have a look what the booklet for
XYZ(38.8100, 48.9524, 60.0853)
contains.

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Color

**XYZ(38.7296, 48.7794,
60.1974)**

Conversions

Conversions Part 1

Format	Color
Hex	7DC6C5
RGB	125, 198, 197
RGB Percent	49%, 78%, 77%
CMY	0.5098, 0.2235, 0.2274
CMYK	0.37, 0.00, 0.01, 0.22
HSL	179°, 39%, 63%
HSV	179°, 37%, 78%
XYZ	38.7296, 48.7794, 60.1974
YIQ	176.0590, -43.1870, -15.7870

Conversions

Conversions Part 2

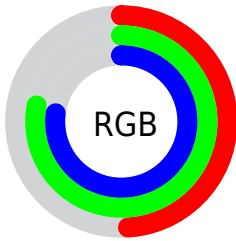
Format	Color
RYB	125, 162, 198
Decimal	8242885
CIELab	75.31, -22.91, -6.71
CIELCh	75, 23.872, 196.326
Yxy	48.7794, 0.2622, 0.3302
Android (android.graphics.Color)	4286432965 (0xFF7DC6C5)
YUV	176.0590, 10.3239, -44.7787
Hunter-Lab	69.8423, -23.2404, -2.2128

Details

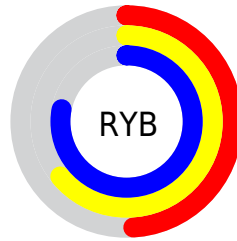
The XYZ color **38.7296, 48.7794, 60.1974** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.3899, 28.1808, 23.3674**, and the grayscale version is **41.2628, 43.4117, 47.2753**.

A 20% lighter version of the original color is **72.7054, 88.4995, 107.0161**, and **17.5297, 23.2693, 29.5541** is the 20% darker color. If you saturate the color by 10%, you get **36.0915, 47.4242, 59.9125**, and if you desaturate by 10%, it is **41.9468, 50.4355, 60.5118**.

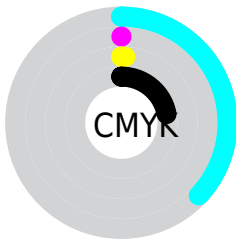
Distribution



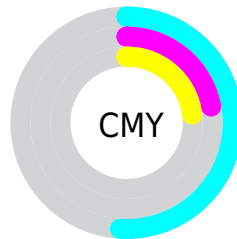
- Red (49%)
- Green (78%)
- Blue (77%)



- Red (49%)
- Yellow (64%)
- Blue (78%)



- Cyan (37%)
- Magenta (0%)
- Yellow (1%)
- Black (22%)



- Cyan (51%)
- Magenta (22%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.7296, 48.7794, 60.1974 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 38.7296, 48.7794, 60.1974 by changing the saturation by 10% instead.

■ 38.7296, 48.7794,
60.1974

■ 38.7296, 48.7794,
60.1974

331.9665,
381.8732, 443.1498

■ 26.7292, 34.4445,
43.1514

■ 72.5218, 88.3637,
106.6621

■ 17.5055, 23.2353,
29.6717

■ 95.0443, 114.3820,
136.9180

■ 10.6931, 14.7673,
19.3396

■ 121.8049,
145.0634, 172.4142

■ 5.9266, 8.6563,
11.7366

153.1689,
180.7925, 213.5693

■ 2.8407, 4.5177,
6.4442

189.5017,
221.9537, 260.8019

■ 1.0701, 1.9671,
3.0439

231.1687,

■ 0.0000, 0.5883,

268.9312, 314.5305

1.1171

278.5352,
322.1096, 375.1736

■ 0.0000, 0.0000,
0.0000

■ 38.7296, 48.7794,
60.1974

■ 38.7296, 48.7794,
60.1974

■ 36.0915, 47.4242,
59.9125

■ 41.9468, 50.4355,
60.5118

■ 33.9939, 46.3464,
59.6522

■ 45.7703, 52.4030,
60.8538

■ 32.3999, 45.5283,
59.4157

■ 50.2310, 54.6990,
61.2259

■ 31.2667, 44.9477,
59.2010

■ 55.3562, 57.3375,
61.6294

■ 30.5441, 44.5787,
59.0059

■ 61.1717, 60.3318,
62.0656

■ 30.1648, 44.3867,
58.8271

■ 67.7018, 63.6946,
62.5354

■ 30.0775, 44.3429,
58.7727

■ 71.7326, 65.7689,
62.8886

■ 71.7642, 65.7815,
63.0549

■ 71.7958, 65.7942,
63.2215

Harmonies

Analogous

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



38.6401, 48.7794, 47.6033



38.7296, 48.7794, 60.1974



40.7784, 48.7794, 72.5734

Triad

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



38.7296, 48.7794, 60.1974



52.7365, 48.7794, 71.6043



48.3864, 48.7794, 32.9260

Complementary

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



38.7296, 48.7794, 60.1974



34.3899, 28.1808, 23.3674

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.



52.4363, 48.7794, 37.4844



38.7296, 48.7794, 60.1974



55.0528, 48.7794, 59.0311

Square

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



38.7296, 48.7794, 60.1974



48.7754, 48.7794, 79.8359



54.9396, 48.7794, 46.6065



44.0322, 48.7794, 33.1368

Rectangle

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



38.7296, 48.7794, 60.1974



43.0578, 48.7794, 78.4542



54.9396, 48.7794, 46.6065



49.8339, 48.7794, 33.9161

Sweetspot

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



38.7310, 48.7813, 60.1985



85.4108, 95.0380, 108.1256



32.5334, 46.3229, 26.6297



18.0488, 20.2223, 23.1239



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.



38.7310, 48.7813, 60.1985



64.8560, 84.4630, 106.1975



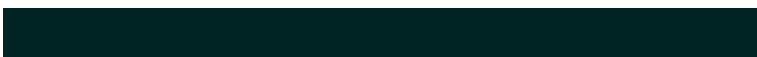
31.6989, 34.5327, 58.4231



10.9402, 12.0650, 13.6353



19.5622, 28.8372, 38.2345



0.9283, 1.3663, 1.8213

Inverse Universe

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



34.3899, 28.1808, 23.3674



56.0926, 42.8690, 31.8404



39.6121, 38.7282, 24.7906



10.6397, 10.6393, 11.0859



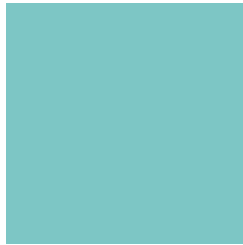
15.1575, 7.8126, 0.7734



0.7198, 0.3708, 0.0477

Previews

White Background



This preview shows how the XYZ color 38.7296, 48.7794, 60.1974 looks on a white background.

Color Contrast Check

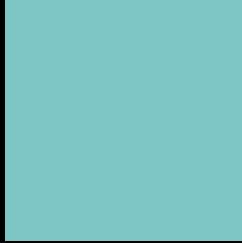
Large Text (above 18pt) WCAG AA × Fail

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 38.7296, 48.7794, 60.1974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

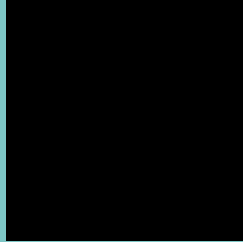
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

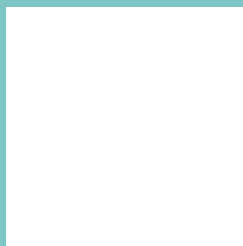
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7296, 48.7794, 60.1974

Background



This preview shows how black text looks on a background with the XYZ color 38.7296, 48.7794, 60.1974.

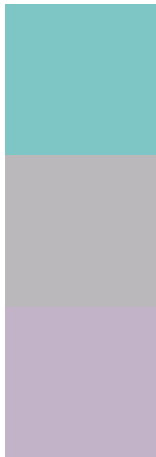


This preview shows how white text looks on a background with the XYZ color 38.7296, 48.7794,

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

38.7296, 48.7794, 60.1974

Protanopia

46.7111, 48.4766, 54.4719

Deuteranopia

49.1684, 48.0593, 61.9433



Tritanopia

40.6769, 48.9004, 69.5822

Trichromacy



Original Color

38.7296, 48.7794, 60.1974

Protanomaly

42.9114, 48.0493, 56.3030

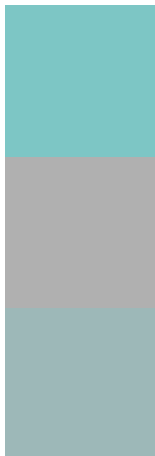
Deuteranomaly

44.5618, 47.8340, 61.5278

Tritanomaly

40.1308, 49.0267, 66.3795

Monochromacy



Original Color

38.7296, 48.7794, 60.1974

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.6968, 44.9098, 51.9236

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7296, 48.7794, 60.1974 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(125, 198, 197)` looks like.

```
.text, #text, p{  
    color:rgb(125, 198, 197)  
}
```

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(125, 198, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 198, 197) }
```

Border

The CSS property to change the border of an element to XYZ 38.7296, 48.7794, 60.1974 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(125, 198, 197) }
```


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

```
.border{ border-color:rgb(125, 198, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 198, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(125, 198, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(125, 198, 197); box-shadow:4px 4px 4px 4px rgb(125, 198, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7296, 48.7794, 60.1974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 198, 197) }
```

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

```
.background{ background-color: rgb(125,  
198, 197) }
```

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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