

Converting Colors

XYZ(40.9228, 48.3181, 59.6003)

Have a look what the booklet for
XYZ(40.9228, 48.3181, 59.6003)
contains.

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Color

**XYZ(40.8878, 48.2364,
59.3801)**

Conversions

Conversions Part 1

Format	Color
Hex	92C1C4
RGB	146, 193, 196
RGB Percent	57%, 76%, 77%
CMY	0.4274, 0.2431, 0.2314
CMYK	0.26, 0.02, 0.00, 0.23
HSL	184°, 30%, 67%
HSV	184°, 26%, 77%
XYZ	40.8878, 48.2364, 59.3801
YIQ	179.2890, -28.9750, -9.0310

Conversions

Conversions Part 2

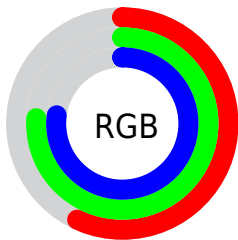
Format	Color
RYB	146, 170, 196
Decimal	9617860
CIELab	74.97, -14.68, -6.55
CIELCh	75, 16.077, 204.044
Yxy	48.2364, 0.2753, 0.3248
Android (android.graphics.Color)	4287807940 (0xFF92C1C4)
YUV	179.2890, 8.2385, -29.1945
Hunter-Lab	69.4524, -16.4558, -2.0748

Details

The XYZ color **40.8878, 48.2364, 59.3801** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7012, 35.3062, 31.9701**, and the grayscale version is **42.9714, 45.2093, 49.2329**.

A 20% lighter version of the original color is **76.0026, 87.8806, 105.8854**, and **18.7312, 22.7979, 29.0044** is the 20% darker color. If you saturate the color by 10%, you get **37.4396, 46.0759, 59.1456**, and if you desaturate by 10%, it is **44.9382, 50.7129, 59.6454**.

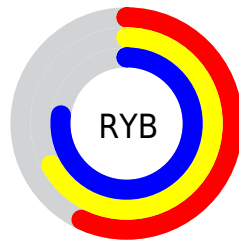
Distribution



Red (57%)

Green (76%)

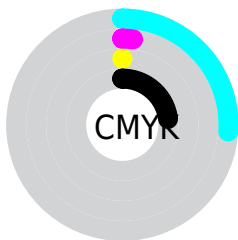
Blue (77%)



Red (57%)

Yellow (67%)

Blue (77%)

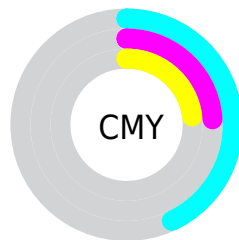


Cyan (26%)

Magenta (2%)

Yellow (0%)

Black (23%)



Cyan (43%)

Magenta (24%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.8878, 48.2364, 59.3801 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 40.8878, 48.2364, 59.3801 by changing the saturation by 10% instead.

■ 40.8878, 48.2364,
59.3801

■ 40.8878, 48.2364,
59.3801

340.9221,
379.7284, 440.0501

■ 28.4187, 34.0141,
42.4972

■ 75.7893, 87.5563,
105.4644

■ 18.7836, 22.9045,
29.1623

■ 98.9525, 113.4227,
135.5029

■ 11.6171, 14.5230,
18.9570

126.4110,
143.9392, 170.7637

■ 6.5538, 8.4853,
11.4627

158.5303,
179.4904, 211.6652

■ 3.2285, 4.4070,
6.2609

195.6757,
220.4605, 258.6261

■ 1.2757, 1.9037,
2.9330

238.2125,

■ 0.1649, 0.5506,

267.2339, 312.0648

1.0605

286.5062,
320.1951, 372.4000

■ 0.0000, 0.0000,
0.0000

■ 40.8878, 48.2364,
59.3801

■ 40.8878, 48.2364,
59.3801

■ 37.4396, 46.0759,
59.1456

■ 44.9382, 50.7129,
59.6454

■ 34.5589, 44.2098,
58.9372

■ 49.6150, 53.5141,
59.9396

■ 32.2140, 42.6229,
58.7545

■ 54.9459, 56.6556,
60.2650

■ 30.3682, 41.2964,
58.5958

■ 60.9560, 60.1504,
60.6228

■ 28.9805, 40.2090,
58.4590

■ 67.6689, 64.0105,
61.0141

■ 28.0029, 39.3362,
58.3421

■ 71.8708, 66.5793,
61.2884

■ 27.3767, 38.6474,
58.2422

■ 72.1441, 67.1259,
61.3796

■ 27.1565, 38.3706,
58.2003

■ 72.4195, 67.6768,
61.4714

■ 72.6971, 68.2318,
61.5639

Harmonies

Analogous

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



40.4641, 48.2364, 50.8632



40.8878, 48.2364, 59.3801



42.6152, 48.2364, 66.7090

Triad

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



40.8878, 48.2364, 59.3801



50.5652, 48.2364, 62.5861



46.4349, 48.2364, 38.0402

Complementary

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



40.8878, 48.2364, 59.3801



38.7012, 35.3062, 31.9701

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.



49.2387, 48.2364, 40.5029



40.8878, 48.2364, 59.3801



51.6878, 48.2364, 54.2149

Square

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



40.8878, 48.2364, 59.3801



48.1835, 48.2364, 68.6937



51.1923, 48.2364, 46.2120



43.5878, 48.2364, 39.1099

Rectangle

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



40.8878, 48.2364, 59.3801



44.3145, 48.2364, 69.6297



51.1923, 48.2364, 46.2120



47.4150, 48.2364, 38.4733

Sweetspot

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



40.8892, 48.2384, 59.3812



87.5501, 95.5563, 108.4376



36.9799, 47.7457, 35.4927



18.4561, 20.2838, 23.1924



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.



40.8892, 48.2384, 59.3812



70.2098, 84.9776, 107.3096



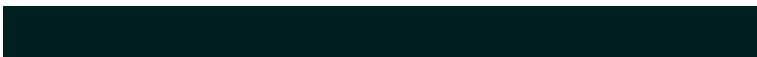
35.9139, 38.2877, 57.7228



10.3152, 11.3216, 12.9265



17.4718, 24.7000, 37.4033



0.7709, 1.0991, 1.6214

Inverse Universe

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



42.6706, 36.1449, 55.1819



74.0518, 59.2096, 98.1825



42.9938, 43.8913, 33.4009



10.4704, 10.2368, 12.5675



20.2149, 9.7757, 30.1074



0.8815, 0.4256, 1.3433

Previews

White Background



This preview shows how the XYZ color 40.8878, 48.2364, 59.3801 looks on a white background.

Color Contrast Check

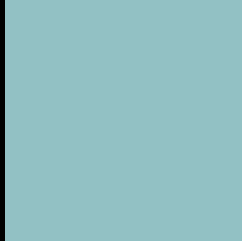
Large Text (above 18pt) WCAG AA × Fail

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 40.8878, 48.2364, 59.3801 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

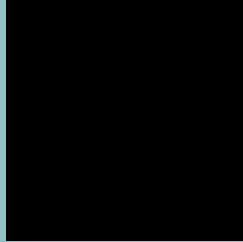
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.8878, 48.2364, 59.3801

Background



This preview shows how black text looks on a background with the XYZ color 40.8878, 48.2364, 59.3801.

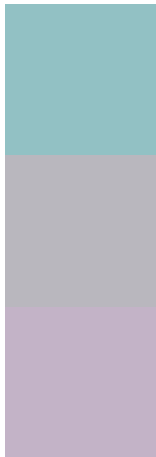


This preview shows how white text looks on a background with the XYZ color 40.8878, 48.2364,

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

40.8878, 48.2364, 59.3801

Protanopia

46.2353, 47.8990, 55.5238

Deuteranopia

48.9346, 47.9658, 60.7120



Tritanopia

42.1060, 48.0625, 66.0892

Trichromacy



Original Color

40.8878, 48.2364, 59.3801

Protanomaly

44.0793, 48.0043, 56.8117

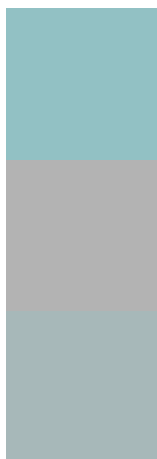
Deuteranomaly

45.4650, 47.7053, 60.2379

Tritanomaly

41.6618, 48.2141, 63.6104

Monochromacy



Original Color

40.8878, 48.2364, 59.3801

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

41.8338, 45.9993, 52.5728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.8878, 48.2364, 59.3801 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(146, 193, 196)` looks like.

```
.text, #text, p{  
    color:rgb(146, 193, 196)  
}
```

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(146, 193, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 193, 196) }
```

Border

The CSS property to change the border of an element to XYZ 40.8878, 48.2364, 59.3801 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(146, 193, 196) }
```


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

```
.border{ border-color:rgb(146, 193, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 193, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 193, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 193, 196);  
box-shadow:4px 4px 4px 4px rgb(146, 193,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 40.8878, 48.2364, 59.3801 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 193, 196) }
```

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

```
.background{ background-color: rgb(146,  
193, 196) }
```

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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