

Converting Colors

XYZ(30.7248, 40.1910, 58.9653)

Have a look what the booklet for
XYZ(30.7248, 40.1910, 58.9653)
contains.

XYZ(30.6982, 40.1060, 58.9466)	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(30.6982, 40.1060,
58.9466)**

Conversions

Conversions Part 1

Format	Color
Hex	52B8C5
RGB	82, 184, 197
RGB Percent	32%, 72%, 77%
CMY	0.6784, 0.2784, 0.2274
CMYK	0.58, 0.07, 0.00, 0.23
HSL	187°, 50%, 55%
HSV	187°, 58%, 77%
XYZ	30.6982, 40.1060, 58.9466
YIQ	154.9840, -64.9650, -17.5810

Conversions

Conversions Part 2

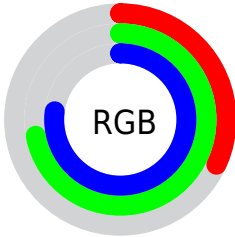
Format	Color
R _Y B	82, 136, 197
Decimal	5421253
CIE Lab	69.54, -25.68, -15.51
CIE LCh	70, 29.997, 211.139
Yxy	40.1060, 0.2366, 0.3091
Android (android.graphics.Color)	4283611333 (0xFF52B8C5)
YUV	154.9840, 20.7139, -64.0070
Hunter-Lab	63.3293, -24.3003, -10.8563

Details

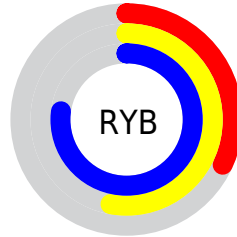
The XYZ color **30.6982, 40.1060, 58.9466** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **28.6421, 20.6650, 10.4630**, and the grayscale version is **31.0817, 32.7004, 35.6107**.

A 20% lighter version of the original color is **60.2048, 75.2267, 105.1130**, and **13.0742, 18.2158, 28.8135** is the 20% darker color. If you saturate the color by 10%, you get **28.7661, 38.4295, 58.7256**, and if you desaturate by 10%, it is **33.1317, 42.0535, 59.1950**.

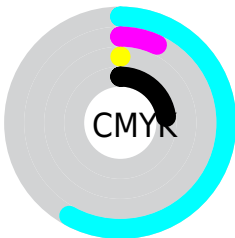
Distribution



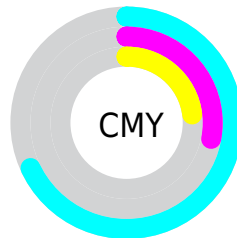
- Red (32%)
- Green (72%)
- Blue (77%)



- Red (32%)
- Yellow (53%)
- Blue (77%)



- Cyan (58%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)



- Cyan (68%)
- Magenta (28%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6982, 40.1060, 58.9466 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 30.6982, 40.1060, 58.9466 by changing the saturation by 10% instead.

■ 30.6982, 40.1060,
58.9466

■ 30.6982, 40.1060,
58.9466

296.9973,
346.5701, 438.4004

■ 20.5198, 27.6212,
42.1504

■ 60.1437, 75.3249,
104.8284

■ 12.8839, 18.0403,
28.8926

■ 80.1415, 98.8278,
134.7511

■ 7.4251, 10.9789,
18.7547

■ 104.1432,
126.7722, 169.8864

■ 3.7780, 6.0527,
11.3182

■ 132.5142,
159.5424, 210.6528

■ 1.5773, 2.8771,
6.1644

165.6197,
197.5230, 257.4688

■ 0.3776, 1.0679,
2.8749

203.8251,

■ 0.0000, 0.0000,

241.0982, 310.7531

1.0311

247.4959,
290.6524, 370.9241

■ 0.0000, 0.0000,
0.0000

■ 30.6982, 40.1060,
58.9466

■ 30.6982, 40.1060,
58.9466

■ 28.7661, 38.4295,
58.7256

■ 33.1317, 42.0535,
59.1950

■ 27.2884, 36.9972,
58.5270

■ 36.1013, 44.2874,
59.4696

■ 26.2153, 35.7841,
58.3494

■ 39.6426, 46.8269,
59.7732

■ 25.4669, 34.7491,
58.1891

■ 43.7872, 49.6884,
60.1070

■ 25.3563, 34.5875,
58.1637

■ 48.5645, 52.8870,
60.4727

■ 54.0017, 56.4369,
60.8713

■ 60.1247, 60.3514,
61.3041

■ 66.9577, 64.6431,
61.7724

■ 72.9215, 68.4979,
62.2021

Harmonies

Analogous

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



29.5540, 40.1060, 44.2003



30.6982, 40.1060, 58.9466



33.8029, 40.1060, 71.4067

Triad

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



30.6982, 40.1060, 58.9466



46.8617, 40.1060, 57.8334



37.9349, 40.1060, 22.0793

Complementary

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



30.6982, 40.1060, 58.9466



28.6421, 20.6650, 10.4630

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.



42.7889, 40.1060, 24.2434



30.6982, 40.1060, 58.9466



48.1982, 40.1060, 43.1412

Square

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



30.6982, 40.1060, 58.9466



43.1357, 40.1060, 70.6742



46.6498, 40.1060, 31.2888



33.5082, 40.1060, 24.6029

Rectangle

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



30.6982, 40.1060, 58.9466



36.7043, 40.1060, 75.6397



46.6498, 40.1060, 31.2888



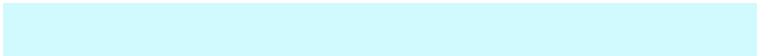
39.5707, 40.1060, 22.2784

Sweetspot

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



30.6994, 40.1075, 58.9476



78.4999, 89.0442, 107.6576



25.4450, 42.5265, 17.3410



16.3073, 18.7214, 23.0041



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.



30.6994, 40.1075, 58.9476



50.7281, 68.0926, 105.0773



21.2781, 21.2648, 55.8071



10.8404, 11.8549, 13.6344



16.7165, 22.8268, 38.2693



0.8214, 1.1406, 1.8220

Inverse Universe

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



34.6960, 21.3668, 47.6444



58.8289, 32.4860, 81.6333



35.6166, 34.6140, 12.7878



11.0295, 10.7952, 13.1385



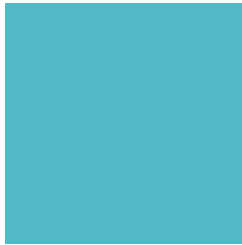
20.2370, 9.8444, 27.5218



0.9733, 0.4722, 1.3826

Previews

White Background



This preview shows how the XYZ color 30.6982, 40.1060, 58.9466 looks on a white background.

Color Contrast Check

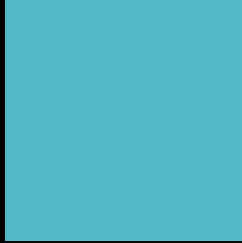
Large Text (above 18pt) WCAG AA × Fail

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 30.6982, 40.1060, 58.9466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

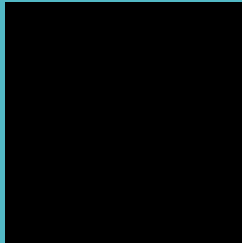
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.6982, 40.1060, 58.9466

Background



This preview shows how black text looks on a background with the XYZ color 30.6982, 40.1060, 58.9466.



This preview shows how white text looks on a background with the XYZ color 30.6982, 40.1060,

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

30.6982, 40.1060, 58.9466

Protanopia

38.8019, 39.7659, 52.0849

Deuteranopia

40.3599, 39.5623, 60.7674



Tritanopia

31.0166, 40.2435, 60.1659

Trichromacy



Original Color

30.6982, 40.1060, 58.9466

Protanomaly

34.5837, 39.2240, 54.4634

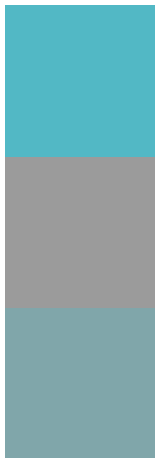
Deuteranomaly

35.4944, 38.9935, 60.2993

Tritanomaly

30.9008, 40.1972, 59.5563

Monochromacy



Original Color

30.6982, 40.1060, 58.9466

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.7940, 34.7639, 43.1700

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6982, 40.1060, 58.9466 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(82, 184, 197)` looks like.

```
.text, #text, p{  
    color:rgb(82, 184, 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(82, 184, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 184, 197) }
```

Border

The CSS property to change the border of an element to XYZ 30.6982, 40.1060, 58.9466 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(82, 184, 197) }
```


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

```
.border{ border-color:rgb(82, 184, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(82, 184, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 184, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 184, 197);  
box-shadow:4px 4px 4px 4px rgb(82, 184,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6982, 40.1060, 58.9466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 184, 197) }
```

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

```
.background{ background-color: rgb(82, 184,  
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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