

Converting Colors

XYZ(46.6701, 57.9732, 71.8020)

Have a look what the booklet for
XYZ(46.6701, 57.9732, 71.8020)
contains.

XYZ(46.6197, 57.9680, 71.6826)	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(46.6197, 57.9680,
71.6826)**

Conversions

Conversions Part 1

Format	Color
Hex	8CD5D5
RGB	140, 213, 213
RGB Percent	55%, 84%, 84%
CMY	0.4510, 0.1647, 0.1647
CMYK	0.34, 0.00, 0.00, 0.16
HSL	180°, 46%, 69%
HSV	180°, 34%, 84%
XYZ	46.6197, 57.9680, 71.6826
YIQ	191.1730, -43.5080, -15.4760

Conversions

Conversions Part 2

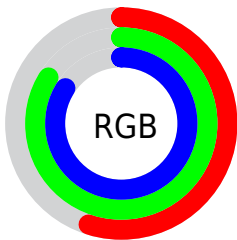
Format	Color
RYB	140, 177, 213
Decimal	9229781
CIELab	80.72, -22.58, -7.23
CIELCh	81, 23.710, 197.743
Yxy	57.9680, 0.2645, 0.3289
Android (android.graphics.Color)	4287419861 (0xFF8CD5D5)
YUV	191.1730, 10.7607, -44.8787
Hunter-Lab	76.1367, -23.9409, -2.5257

Details

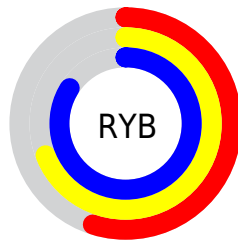
The XYZ color **46.6197, 57.9680, 71.6826** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.5543, 34.7975, 29.3396**, and the grayscale version is **49.5806, 52.1626, 56.8051**.

A 20% lighter version of the original color is **76.5750, 90.4758, 108.0354**, and **22.1447, 28.8536, 36.7499** is the 20% darker color. If you saturate the color by 10%, you get **43.3726, 56.2955, 71.5314**, and if you desaturate by 10%, it is **50.5649, 60.0033, 71.8689**.

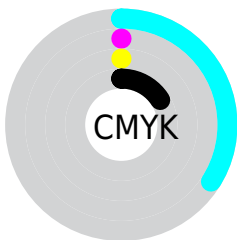
Distribution



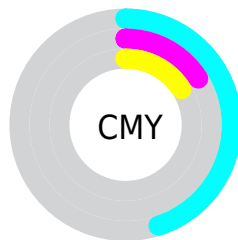
- Red (55%)
- Green (84%)
- Blue (84%)



- Red (55%)
- Yellow (69%)
- Blue (84%)



- Cyan (34%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (45%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.6197, 57.9680, 71.6826 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 46.6197, 57.9680, 71.6826 by changing the saturation by 10% instead.

■ 46.6197, 57.9680,
71.6826

■ 46.6197, 57.9680,
71.6826

363.9688,
417.0667, 485.3839

■ 32.9418, 41.7829,
52.4142

■ 84.3679, 101.8763,
123.3087

■ 22.2409, 28.9314,
36.9508

■ 109.1689,
130.3682, 156.5034

■ 14.1516, 19.0289,
24.8739

138.4083,
163.7313, 195.1774

■ 8.3086, 11.6912,
15.7650

172.4514,
202.3498, 239.7491

■ 4.3465, 6.5337,
9.2054

211.6637,
246.6082, 290.6370

■ 1.9000, 3.1723,
4.7768

256.4104,

■ 0.5768, 1.2223,

296.8909, 348.2598

2.0605

307.0570,
353.5823, 413.0359

■ 0.0000, 0.0798,
0.5921

■ 0.0000, 0.0000,
0.0000

■ 46.6197, 57.9680,
71.6826

■ 46.6197, 57.9680,
71.6826

■ 43.3726, 56.2955,
71.5314

■ 50.5649, 60.0033,
71.8689

■ 40.7782, 54.9581,
71.4096

■ 55.2402, 62.4134,
72.0882

■ 38.7940, 53.9352,
71.3163

■ 60.6815, 65.2185,
72.3433

■ 37.3700, 53.2011,
71.2492

■ 66.9212, 68.4352,
72.6357

■ 36.4486, 52.7261,
71.2056

■ 73.9896, 72.0791,
72.9670

■ 35.9596, 52.4740,
71.1823

■ 77.0461, 73.6548,
73.1105

■ 35.8051, 52.3943,
71.1748

■ 77.0462, 73.6548,
73.1109

■ 77.0463, 73.6548,
73.1114

■ 77.0464, 73.6549,
73.1118

Harmonies

Analogous

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



46.4117, 57.9680, 57.5726



46.6197, 57.9680, 71.6826



49.0141, 57.9680, 85.2141

Triad

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



46.6197, 57.9680, 71.6826



62.3515, 57.9680, 83.0075



57.1167, 57.9680, 40.2946

Complementary

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



46.6197, 57.9680, 71.6826



41.5543, 34.7975, 29.3396

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.



61.6631, 57.9680, 45.2143



46.6197, 57.9680, 71.6826



64.8031, 57.9680, 69.0070

Square

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



46.6197, 57.9680, 71.6826



58.0116, 57.9680, 92.3882



64.5440, 57.9680, 55.2630



52.2814, 57.9680, 40.7912

Rectangle

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



46.6197, 57.9680, 71.6826



51.6125, 57.9680, 91.4565



64.5440, 57.9680, 55.2630



58.7346, 57.9680, 41.3356

Sweetspot

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



46.6214, 57.9703, 71.6839



86.2828, 95.4803, 108.4890



39.5510, 55.1660, 33.3758



18.2251, 20.3115, 23.2097



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.



46.6214, 57.9703, 71.6839



66.4701, 85.2666, 107.5597



38.6913, 42.1096, 69.0420



12.7922, 14.1079, 15.9863



21.8705, 32.0035, 43.4751



1.3191, 1.9303, 2.6222

Inverse Universe

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



41.5543, 34.7975, 29.3396



57.7599, 45.4332, 34.7711



47.5614, 46.8120, 31.3411



12.4233, 12.4208, 12.9035



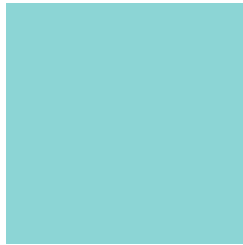
16.7620, 8.6411, 0.7846



1.0110, 0.5212, 0.0474

Previews

White Background



This preview shows how the XYZ color 46.6197, 57.9680, 71.6826 looks on a white background.

Color Contrast Check

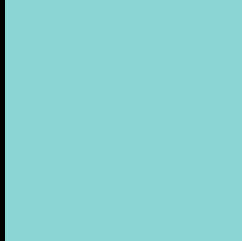
Large Text (above 18pt) WCAG AA × Fail

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 46.6197, 57.9680, 71.6826 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

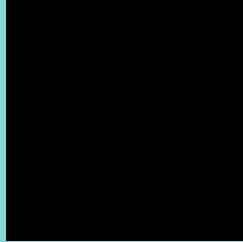
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6197, 57.9680, 71.6826

Background



This preview shows how black text looks on a background with the XYZ color 46.6197, 57.9680, 71.6826.



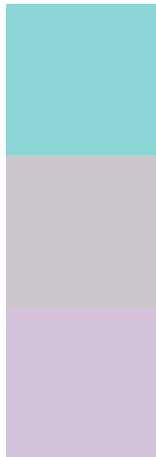
This preview shows how white text looks on a background with the XYZ color 46.6197, 57.9680,

71.6826.

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

46.6197, 57.9680, 71.6826

Protanopia

55.4503, 57.3044, 65.2650

Deuteranopia

58.6801, 57.4422, 73.6403



Tritanopia

48.7995, 58.1193, 82.0449

Trichromacy



Original Color

46.6197, 57.9680, 71.6826

Protanomaly

51.2088, 56.8006, 67.2961

Deuteranomaly

53.2889, 57.0454, 73.1680

Tritanomaly

48.1905, 58.2543, 78.5163

Monochromacy



Original Color

46.6197, 57.9680, 71.6826

Achromatopsia

49.5206, 52.0996, 56.7364

Achromatomaly

47.7455, 53.7410, 61.8894

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6197, 57.9680, 71.6826 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(140, 213, 213)` looks like.

```
.text, #text, p{  
    color:rgb(140, 213, 213)  
}
```

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(140, 213, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 213, 213) }
```

Border

The CSS property to change the border of an element to XYZ 46.6197, 57.9680, 71.6826 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(140, 213, 213) }
```


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

```
.border{ border-color:rgb(140, 213, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 213, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 213, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 213, 213);  
box-shadow:4px 4px 4px 4px rgb(140, 213,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6197, 57.9680, 71.6826 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 213, 213) }
```

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

```
.background{ background-color: rgb(140,  
213, 213) }
```

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