

Converting Colors

XYZ(47.1896, 58.0560, 80.6703)

Have a look what the booklet for
XYZ(47.1896, 58.0560, 80.6703)
contains.

XYZ(47.1946, 58.0660, 80.6720)	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(47.1946, 58.0660,
80.6720)**

Conversions

Conversions Part 1

Format	Color
Hex	85D5E2
RGB	133, 213, 226
RGB Percent	52%, 84%, 89%
CMY	0.4784, 0.1647, 0.1137
CMYK	0.41, 0.06, 0.00, 0.11
HSL	188°, 62%, 70%
HSV	188°, 41%, 89%
XYZ	47.1946, 58.0660, 80.6720
YIQ	190.5620, -51.8530, -12.9170

Conversions

Conversions Part 2

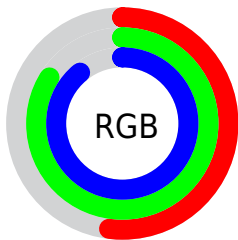
Format	Color
RYB	133, 176, 226
Decimal	8771042
CIELab	80.78, -21.20, -14.12
CIELCh	81, 25.475, 213.662
Yxy	58.0660, 0.2538, 0.3123
Android (android.graphics.Color)	4286961122 (0xFF85D5E2)
YUV	190.5620, 17.4709, -50.4819
Hunter-Lab	76.2010, -22.7991, -9.4280

Details

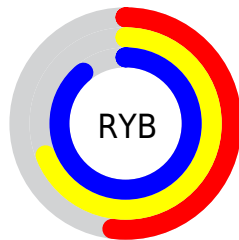
The XYZ color **47.1946, 58.0660, 80.6720** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.8777, 38.4210, 27.1898**, and the grayscale version is **49.1929, 51.7548, 56.3609**.

A 20% lighter version of the original color is **75.0452, 89.6871, 107.9638**, and **22.5580, 28.9305, 42.9233** is the 20% darker color. If you saturate the color by 10%, you get **43.2168, 54.8486, 80.2617**, and if you desaturate by 10%, it is **51.9590, 61.7145, 81.1261**.

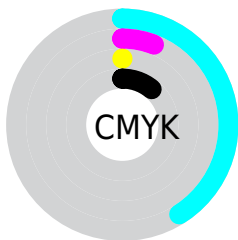
Distribution



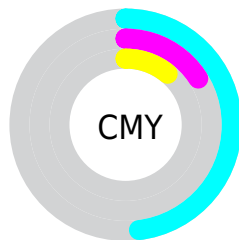
- Red (52%)
- Green (84%)
- Blue (89%)



- Red (52%)
- Yellow (69%)
- Blue (89%)



- Cyan (41%)
- Magenta (6%)
- Yellow (0%)
- Black (11%)





- Cyan (48%)
- Magenta (16%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.1946, 58.0660, 80.6720 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 47.1946, 58.0660, 80.6720 by changing the saturation by 10% instead.


 47.1946, 58.0660,
80.6720


 47.1946, 58.0660,
80.6720


366.2267,
417.4318, 516.9610


 33.3981, 41.8617,
59.7421


 85.2210, 102.0190,
136.1300

 22.5923, 28.9930,
42.7868

 110.1816,
130.5364, 171.4952

 14.4118, 19.0755,
29.3877


 139.5943,
163.9271, 212.5093

 8.4912, 11.7249,
19.1262

173.8245,
202.5753, 259.5907

 4.4653, 6.5566,
11.5838

213.2375,
246.8655, 313.1580

 1.9686, 3.1864,
6.3419

258.1986,

 0.6162, 1.2298,

297.1820, 373.6298

2.9819

309.0732,
353.9094, 441.4247

■ 0.0000, 0.0858,
1.0854

■ 0.0000, 0.0000,
0.0000

■ 47.1946, 58.0660,
80.6720

■ 47.1946, 58.0660,
80.6720

■ 43.2168, 54.8486,
80.2617

■ 51.9590, 61.7145,
81.1261

■ 39.9705, 52.0299,
79.8887

■ 57.5501, 65.8110,
81.6222

■ 37.4019, 49.5832,
79.5518

■ 64.0115, 70.3793,
82.1634

■ 35.4471, 47.4756,
79.2480

■ 71.3822, 75.4398,
82.7517

■ 34.0302, 45.6677,
78.9737

■ 79.6987, 81.0113,
83.3887

■ 33.1117, 44.2592,
78.7503

■ 83.8119, 84.4396,
83.8337

■ 84.7089, 86.2335,
84.1327

■ 85.6219, 88.0596,
84.4370

■ 86.5511, 89.9179,
84.7467

Harmonies

Analogous

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



45.7017, 58.0660, 65.0917



47.1946, 58.0660, 80.6720



50.8244, 58.0660, 92.8890

Triad

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



47.1946, 58.0660, 80.6720



64.7567, 58.0660, 76.9617



54.5467, 58.0660, 38.5044

Complementary

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



47.1946, 58.0660, 80.6720



45.8777, 38.4210, 27.1898

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.



59.7987, 58.0660, 40.6609



47.1946, 58.0660, 80.6720



65.9082, 58.0660, 61.3924

Square

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



47.1946, 58.0660, 80.6720



60.9865, 58.0660, 90.5192



64.0409, 58.0660, 48.4927



49.7729, 58.0660, 42.0545

Rectangle

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



47.1946, 58.0660, 80.6720



54.0813, 58.0660, 96.5935



64.0409, 58.0660, 48.4927



56.3138, 58.0660, 38.5892

Sweetspot

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



47.1964, 58.0683, 80.6734



83.3254, 91.9528, 107.9647



42.0124, 61.4372, 36.5959



17.5847, 19.5065, 23.0883



0.0000, 0.0000, 0.0000



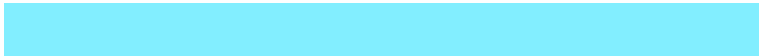
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47.1964, 58.0683, 80.6734



57.7032, 72.8491, 105.6277



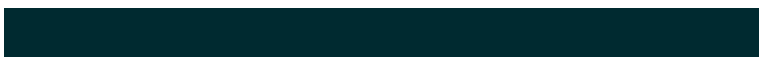
37.2389, 38.1533, 77.3542



13.9447, 15.2286, 17.5921



18.9558, 25.3813, 44.9484



1.3594, 1.8503, 3.1307

Inverse Universe

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



51.7633, 37.7495, 67.5113



64.5938, 43.3844, 85.5016



54.4267, 55.5190, 30.0395



14.2083, 13.9010, 16.8671



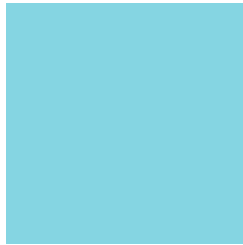
23.5082, 11.4703, 30.4058



1.6524, 0.8042, 2.2286

Previews

White Background



This preview shows how the XYZ color 47.1946, 58.0660, 80.6720 looks on a white background.

Color Contrast Check

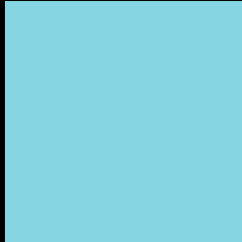
Large Text (above 18pt) WCAG AA × Fail

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 47.1946, 58.0660, 80.6720 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

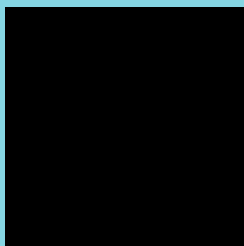
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

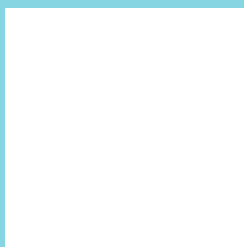
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.1946, 58.0660, 80.6720

Background



This preview shows how black text looks on a background with the XYZ color 47.1946, 58.0660, 80.6720.



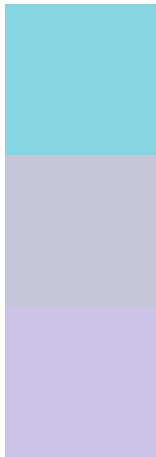
This preview shows how white text looks on a background with the XYZ color 47.1946, 58.0660,

80.6720.

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

47.1946, 58.0660, 80.6720

Protanopia

56.0072, 57.4037, 73.7738

Deuteranopia

58.9749, 57.7225, 82.8962



Tritanopia

47.6579, 57.8685, 83.5208

Trichromacy



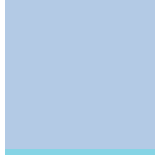
Original Color

47.1946, 58.0660, 80.6720



Protanomaly

51.7298, 56.8778, 75.9622



Deuteranomaly

53.8538, 57.4819, 82.3855



Tritanomaly

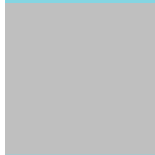
47.5179, 57.8124, 82.7832

Monochromacy



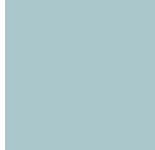
Original Color

47.1946, 58.0660, 80.6720



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

47.9001, 53.7525, 64.9774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1946, 58.0660, 80.6720 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(133, 213, 226)` looks like.

```
.text, #text, p{  
    color:rgb(133, 213, 226)  
}
```

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(133, 213, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 213, 226) }
```

Border

The CSS property to change the border of an element to XYZ 47.1946, 58.0660, 80.6720 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(133, 213, 226) }
```


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

```
.border{ border-color:rgb(133, 213, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 213, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 213, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 213, 226);  
box-shadow:4px 4px 4px 4px rgb(133, 213,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1946, 58.0660, 80.6720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 213, 226) }
```

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

```
.background{ background-color: rgb(133,  
213, 226) }
```

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