

Converting Colors

XYZ(47.1177, 58.3363, 87.0713)

Have a look what the booklet for
XYZ(47.1177, 58.3363, 87.0713)
contains.

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Color

**XYZ(47.0680, 58.2289,
87.3558)**

Conversions

Conversions Part 1

Format	Color
Hex	7AD6EB
RGB	122, 214, 235
RGB Percent	48%, 84%, 92%
CMY	0.5215, 0.1608, 0.0784
CMYK	0.48, 0.09, 0.00, 0.08
HSL	191°, 74%, 70%
HSV	191°, 48%, 92%
XYZ	47.0680, 58.2289, 87.3558
YIQ	188.8860, -61.5730, -12.9730

Conversions

Conversions Part 2

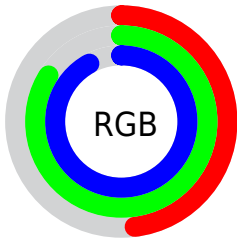
Format	Color
RYB	122, 173, 235
Decimal	8050411
CIELab	80.87, -21.95, -18.83
CIELCh	81, 28.918, 220.629
Yxy	58.2289, 0.2443, 0.3022
Android (android.graphics.Color)	4286240491 (0xFF7AD6EB)
YUV	188.8860, 22.7342, -58.6590
Hunter-Lab	76.3079, -23.4369, -14.4586

Details

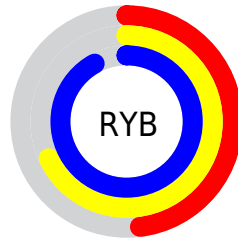
The XYZ color **47.0680, 58.2289, 87.3558** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **47.5974, 38.7134, 23.3777**, and the grayscale version is **48.2057, 50.7161, 55.2298**.

A 20% lighter version of the original color is **72.6324, 88.4433, 107.8509**, and **22.4593, 29.0430, 47.0700** is the 20% darker color. If you saturate the color by 10%, you get **43.0442, 54.5370, 86.8563**, and if you desaturate by 10%, it is **51.9295, 62.3992, 87.9056**.

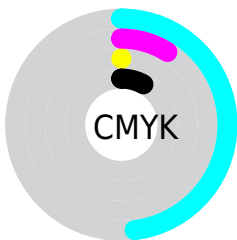
Distribution



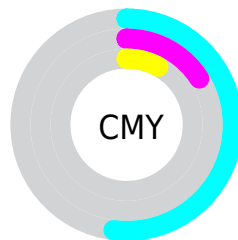
- Red (48%)
- Green (84%)
- Blue (92%)



- Red (48%)
- Yellow (68%)
- Blue (92%)



- Cyan (48%)
- Magenta (9%)
- Yellow (0%)
- Black (8%)



- Cyan (52%)
- Magenta (16%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0680, 58.2289, 87.3558 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 47.0680, 58.2289, 87.3558 by changing the saturation by 10% instead.

47.0680, 58.2289,
87.3558

47.0680, 58.2289,
87.3558

365.7303,
418.0383, 539.7378

33.2976, 41.9927,
65.2284

85.0332, 102.2561,
145.5632

22.5148, 29.0956,
47.1938

109.9588,
130.8159, 182.4803

14.3544, 19.1531,
32.8334

139.3334,
164.2524, 225.1643

8.4509, 11.7810,
21.7288

173.5225,
202.9499, 274.0338

4.4390, 6.5947,
13.4614

212.8913,
247.2928, 329.5074

1.9534, 3.2100,
7.6125

257.8054,

0.6076, 1.2423,

297.6656, 392.0036

3.7638

308.6299,
354.4527, 461.9409

■ 0.0000, 0.0959,
1.4967

■ 0.0000, 0.0000,
0.2155

■ 47.0680, 58.2289,
87.3558

■ 47.0680, 58.2289,
87.3558

■ 43.0442, 54.5370,
86.8563

■ 51.9295, 62.3992,
87.9056

■ 39.7935, 51.2861,
86.4001

■ 57.6765, 67.0690,
88.5040

■ 37.2504, 48.4432,
85.9855

■ 64.3597, 72.2661,
89.1549

■ 35.3356, 45.9672,
85.6085

■ 72.0242, 78.0141,
89.8604

■ 33.9387, 43.8007,
85.2639

■ 80.7121, 84.3350,
90.6226

■ 33.6988, 43.4047,
85.2001

■ 87.4562, 89.6994,
91.3026

■ 88.7588, 92.3046,
91.7368

■ 90.0925, 94.9721,
92.1813

■ 91.4576, 97.7023,
92.6364

Harmonies

Analogous

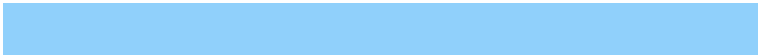
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.7944, 58.2289, 69.6723



47.0680, 58.2289, 87.3558



51.6176, 58.2289, 99.8229

Triad

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



47.0680, 58.2289, 87.3558



66.9178, 58.2289, 74.9643



53.2506, 58.2289, 36.2284

Complementary

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



47.0680, 58.2289, 87.3558



47.5974, 38.7134, 23.3777

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.



59.2473, 58.2289, 37.1304



47.0680, 58.2289, 87.3558



67.4340, 58.2289, 57.5185

Square

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



47.0680, 58.2289, 87.3558



63.1758, 58.2289, 91.8249



64.5392, 58.2289, 44.2829



48.1893, 58.2289, 41.5471

Rectangle

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



47.0680, 58.2289, 87.3558



55.4712, 58.2289, 102.3646



64.5392, 58.2289, 44.2829



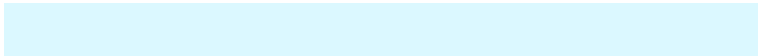
55.2186, 58.2289, 35.8420

Sweetspot

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



47.0698, 58.2311, 87.3572



81.0338, 89.6867, 107.6481



42.6723, 65.5301, 36.2754



16.9282, 18.8822, 23.0024



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.



47.0698, 58.2311, 87.3572



51.7359, 65.5730, 104.5378



35.2129, 34.5173, 83.4049



15.2659, 16.6182, 19.3253



18.8426, 24.3322, 47.4464



1.5411, 2.0338, 3.7462

Inverse Universe

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



53.3596, 36.4379, 67.8416



60.4446, 37.3709, 77.0747



58.2484, 60.0154, 26.9281



15.5878, 15.2630, 18.3804



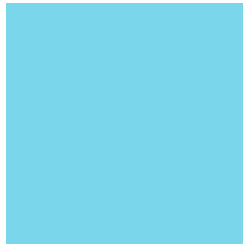
24.3662, 11.9492, 28.7933



1.9444, 0.9507, 2.4246

Previews

White Background



This preview shows how the XYZ color 47.0680, 58.2289, 87.3558 looks on a white background.

Color Contrast Check

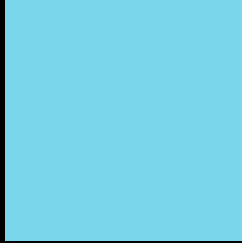
Large Text (above 18pt) WCAG AA × Fail

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 47.0680, 58.2289, 87.3558 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 47.0680, 58.2289, 87.3558

Background



This preview shows how black text looks on a background with the XYZ color 47.0680, 58.2289, 87.3558.

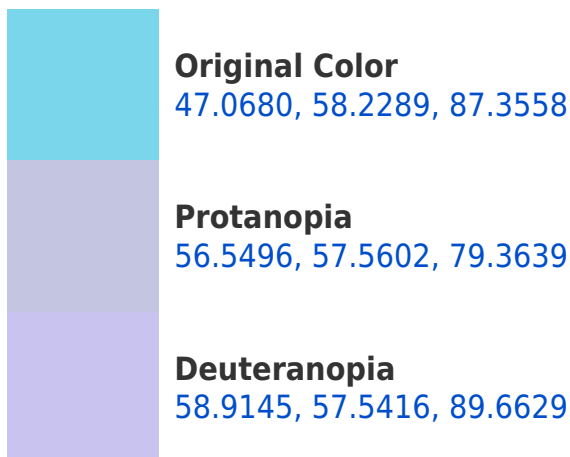


This preview shows how white text looks on a background with the XYZ color 47.0680, 58.2289,

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





Tritanopia

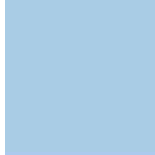
46.7511, 58.4920, 85.1700

Trichromacy



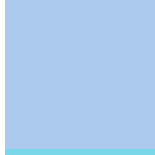
Original Color

47.0680, 58.2289, 87.3558



Protanomaly

52.0979, 57.2779, 82.4386



Deuteranomaly

53.5664, 57.1848, 89.1034



Tritanomaly

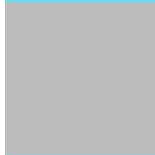
46.8936, 58.5490, 85.9203

Monochromacy



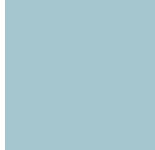
Original Color

47.0680, 58.2289, 87.3558



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.8517, 52.8437, 66.1230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0680, 58.2289, 87.3558 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(122, 214, 235)` looks like.

```
.text, #text, p{  
    color:rgb(122, 214, 235)  
}
```

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(122, 214, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 214, 235) }
```

Border

The CSS property to change the border of an element to XYZ 47.0680, 58.2289, 87.3558 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(122, 214, 235) }
```


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

```
.border{ border-color:rgb(122, 214, 235) }
```

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

Here you see how a box with a 4 pixel rgb(122, 214, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 214, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 214, 235);  
box-shadow:4px 4px 4px 4px rgb(122, 214,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0680, 58.2289, 87.3558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 214, 235) }
```

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

```
.background{ background-color: rgb(122,  
214, 235) }
```

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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