

Converting Colors

XYZ(46.9733, 58.4711, 84.8723)

Have a look what the booklet for
XYZ(46.9733, 58.4711, 84.8723)
contains.

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Color

**XYZ(47.1781, 58.7122,
85.1900)**

Conversions

Conversions Part 1

Format	Color
Hex	7CD7E8
RGB	124, 215, 232
RGB Percent	49%, 84%, 91%
CMY	0.5137, 0.1568, 0.0902
CMYK	0.47, 0.07, 0.00, 0.09
HSL	189°, 70%, 70%
HSV	189°, 47%, 91%
XYZ	47.1781, 58.7122, 85.1900
YIQ	189.7290, -59.6930, -14.0050

Conversions

Conversions Part 2

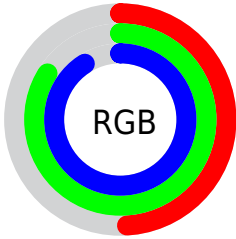
Format	Color
RYB	124, 173, 232
Decimal	8181736
CIELab	81.13, -22.79, -16.82
CIElCh	81, 28.326, 216.429
Yxy	58.7122, 0.2469, 0.3073
Android (android.graphics.Color)	4286371816 (0xFF7CD7E8)
YUV	189.7290, 20.8396, -57.6443
Hunter-Lab	76.6239, -24.1876, -12.2816

Details

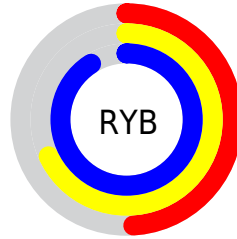
The XYZ color **47.1781, 58.7122, 85.1900** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **46.4428, 37.6618, 23.8920**, and the grayscale version is **48.6978, 51.2339, 55.7937**.

A 20% lighter version of the original color is **73.1014, 88.6851, 107.8728**, and **22.5216, 29.3662, 45.5555** is the 20% darker color. If you saturate the color by 10%, you get **43.2925, 55.3454, 84.7460**, and if you desaturate by 10%, it is **51.8767, 62.5316, 85.6806**.

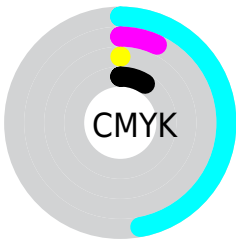
Distribution



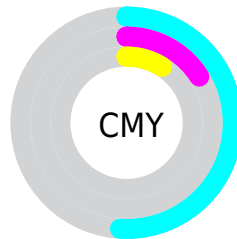
- Red (49%)
- Green (84%)
- Blue (91%)



- Red (49%)
- Yellow (68%)
- Blue (91%)



- Cyan (47%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (51%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.1781, 58.7122, 85.1900 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 47.1781, 58.7122, 85.1900 by changing the saturation by 10% instead.

■ 47.1781, 58.7122,
85.1900

■ 47.1781, 58.7122,
85.1900

366.1620,
419.8345, 532.4175

■ 33.3850, 42.3815,
63.4473

■ 85.1965, 102.9593,
142.5151

■ 22.5822, 29.4001,
45.7599

■ 110.1526,
131.6444, 178.9347

■ 14.4043, 19.3837,
31.7091

■ 139.5603,
165.2165, 221.0836

■ 8.4860, 11.9479,
20.8764

173.7851,
204.0599, 269.3804

■ 4.4619, 6.7082,
12.8433

213.1924,
248.5590, 324.2436

■ 1.9666, 3.2803,
7.1913

258.1473,

■ 0.6151, 1.2798,

299.0982, 386.0919

3.5018

309.0155,
356.0619, 455.3437

■ 0.0000, 0.1254,
1.3562

■ 0.0000, 0.0000,
0.1072

■ 47.1781, 58.7122,
85.1900

■ 47.1781, 58.7122,
85.1900

■ 43.2925, 55.3454,
84.7460

■ 51.8767, 62.5316,
85.6806

■ 40.1582, 52.3952,
84.3417


■ 57.4337, 66.8231,
86.2161

■ 37.7134, 49.8309,
83.9756


■ 63.8976, 71.6134,
86.8000


■ 35.8834, 47.6138,
83.6441


■ 71.3114, 76.9248,
87.4345


 34.5745, 45.6953,
83.3428


 79.7156, 82.7783,
88.1213

 34.1900, 45.0748,
83.2433

 86.0646, 87.6041,
88.7182

 87.1321, 89.7392,
89.0740

 88.2213, 91.9175,
89.4371

 89.3323, 94.1394,
89.8074

Harmonies

Analogous

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



45.2887, 58.7122, 67.6292



47.1781, 58.7122, 85.1900



51.3964, 58.7122, 98.5069

Triad

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



47.1781, 58.7122, 85.1900



66.8428, 58.7122, 77.7960



54.5454, 58.7122, 36.8077

Complementary

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



47.1781, 58.7122, 85.1900



46.4428, 37.6618, 23.8920

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.



60.4570, 58.7122, 38.5669



47.1781, 58.7122, 85.1900



67.8331, 58.7122, 60.3636

Square

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



47.1781, 58.7122, 85.1900



62.8041, 58.7122, 93.7400



65.4224, 58.7122, 46.5348



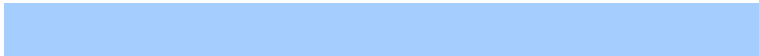
49.3448, 58.7122, 41.2189

Rectangle

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



47.1781, 58.7122, 85.1900



55.1018, 58.7122, 102.0757



65.4224, 58.7122, 46.5348



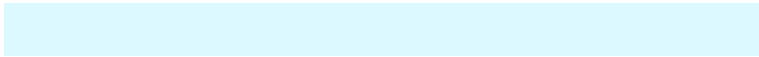
56.5126, 58.7122, 36.7102

Sweetspot

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



47.1799, 58.7145, 85.1914



81.3474, 90.3139, 107.7526



41.9185, 63.8989, 35.0143



17.0053, 19.0363, 23.0281



0.0000, 0.0000, 0.0000



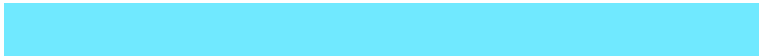
20.3446, 21.4041, 23.3091

Same Dimension

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



47.1799, 58.7145, 85.1914



53.7621, 68.6869, 105.0321



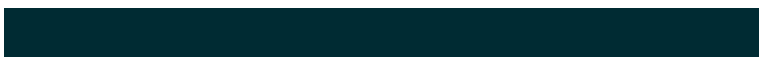
35.7643, 35.8832, 81.3862



14.6041, 15.9297, 18.4493



19.0574, 25.1769, 46.2384



1.4604, 1.9648, 3.4342

Inverse Universe

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



52.7536, 36.4790, 68.5532



61.6964, 38.7486, 80.9626



56.2545, 57.2852, 27.1625



14.8925, 14.5742, 17.6344



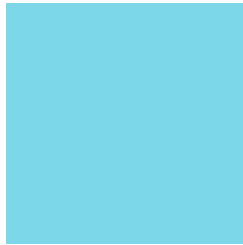
24.0128, 11.7393, 30.0260



1.8008, 0.8780, 2.3575

Previews

White Background



This preview shows how the XYZ color 47.1781, 58.7122, 85.1900 looks on a white background.

Color Contrast Check

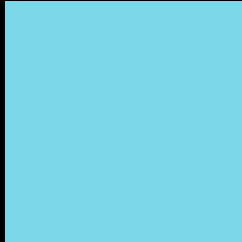
Large Text (above 18pt) WCAG AA × Fail

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 47.1781, 58.7122, 85.1900 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 47.1781, 58.7122, 85.1900

Background



This preview shows how black text looks on a background with the XYZ color 47.1781, 58.7122, 85.1900.



This preview shows how white text looks on a background with the XYZ color 47.1781, 58.7122,

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

47.1781, 58.7122, 85.1900

Protanopia

56.8969, 58.1265, 77.3280

Deuteranopia

59.5089, 58.2325, 87.4604



Tritanopia

47.1781, 58.7122, 85.1900

Trichromacy



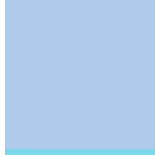
Original Color

47.1781, 58.7122, 85.1900



Protanomaly

52.3534, 57.8116, 80.3509



Deuteranomaly

53.8069, 57.7087, 86.9002



Tritanomaly

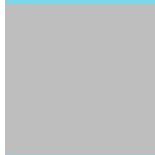
47.1781, 58.7122, 85.1900

Monochromacy



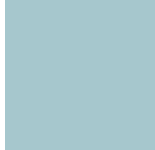
Original Color

47.1781, 58.7122, 85.1900



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.1688, 53.3616, 65.5714

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.1781, 58.7122, 85.1900 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(124, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(124, 215, 232)  
}
```

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(124, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 215, 232) }
```

Border

The CSS property to change the border of an element to XYZ 47.1781, 58.7122, 85.1900 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(124, 215, 232) }
```


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

```
.border{ border-color:rgb(124, 215, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(124, 215,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 47.1781, 58.7122, 85.1900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 215, 232) }
```

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

```
.background{ background-color: rgb(124,  
215, 232) }
```

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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