

Converting Colors

XYZ(46.0261, 58.0318, 71.4280)

Have a look what the booklet for
XYZ(46.0261, 58.0318, 71.4280)
contains.

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Color

**XYZ(46.0485, 58.0481,
71.7282)**

Conversions

Conversions Part 1

Format	Color
Hex	87D6D5
RGB	135, 214, 213
RGB Percent	53%, 84%, 84%
CMY	0.4706, 0.1608, 0.1647
CMYK	0.37, 0.00, 0.00, 0.16
HSL	179°, 49%, 68%
HSV	179°, 37%, 84%
XYZ	46.0485, 58.0481, 71.7282
YIQ	190.2650, -46.7630, -17.0590

Conversions

Conversions Part 2

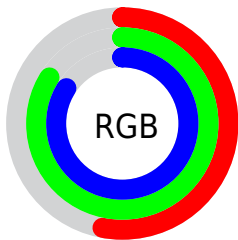
Format	Color
RYB	135, 175, 214
Decimal	8902357
CIELab	80.77, -24.39, -7.19
CIELCh	81, 25.428, 196.415
Yxy	58.0481, 0.2619, 0.3301
Android (android.graphics.Color)	4287092437 (0xFF87D6D5)
YUV	190.2650, 11.2084, -48.4674
Hunter-Lab	76.1893, -25.4466, -2.4859

Details

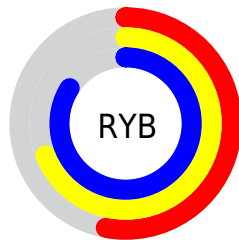
The XYZ color **46.0485, 58.0481, 71.7282** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **40.8415, 33.4034, 27.5897**, and the grayscale version is **49.0544, 51.6090, 56.2022**.

A 20% lighter version of the original color is **75.2959, 89.8164, 107.9755**, and **21.8780, 28.9704, 36.7865** is the 20% darker color. If you saturate the color by 10%, you get **42.9114, 56.4363, 71.4029**, and if you desaturate by 10%, it is **49.8811, 60.0213, 72.0889**.

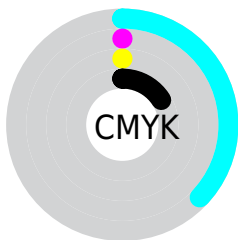
Distribution



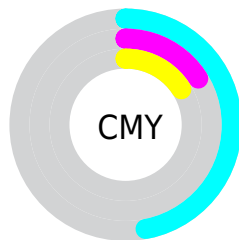
- Red (53%)
- Green (84%)
- Blue (84%)



- Red (53%)
- Yellow (69%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (0%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0485, 58.0481, 71.7282 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 46.0485, 58.0481, 71.7282 by changing the saturation by 10% instead.

■ 46.0485, 58.0481,
71.7282

■ 46.0485, 58.0481,
71.7282

361.7163,
417.3651, 485.5471

■ 32.4889, 41.8473,
52.4512

■ 83.5190, 101.9929,
123.3741

■ 21.8925, 28.9818,
36.9801

■ 108.1606,
130.5057, 156.5802

■ 13.8941, 19.0670,
24.8964

■ 137.2269,
163.8913, 195.2663

■ 8.1283, 11.7187,
15.7816

171.0832,
202.5341, 239.8510

■ 4.2296, 6.5524,
9.2171

210.0950,
246.8185, 290.7529

■ 1.8328, 3.1838,
4.7843

254.6275,

■ 0.5373, 1.2284,

297.1289, 348.3906

2.0647

305.0461,
353.8496, 413.1824

■ 0.0000, 0.0847,
0.5947

■ 0.0000, 0.0000,
0.0000

■ 46.0485, 58.0481,
71.7282

■ 46.0485, 58.0481,
71.7282

■ 42.9114, 56.4363,
71.4029

■ 49.8811, 60.0213,
72.0889

■ 40.4231, 55.1574,
71.1070

■ 54.4423, 62.3687,
72.4827

■ 38.5389, 54.1901,
70.8397

■ 59.7692, 65.1108,
72.9127

■ 37.2066, 53.5072,
70.5985

■ 65.8950, 68.2648,
73.3803

■ 36.3653, 53.0774,
70.3805

■ 72.8509, 71.8467,
73.8871

■ 35.9348, 52.8595,
70.1821

■ 77.5058, 74.2423,
74.2865

■ 35.8416, 52.8127,
70.1228

■ 77.5407, 74.2563,
74.4700

■ 77.5756, 74.2702,
74.6538

■ 77.6105, 74.2842,
74.8379

Harmonies

Analogous

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



45.9342, 58.0481, 56.6567



46.0485, 58.0481, 71.7282



48.5044, 58.0481, 86.5340

Triad

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



46.0485, 58.0481, 71.7282



62.8099, 58.0481, 85.2953



57.5772, 58.0481, 39.0698

Complementary

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



46.0485, 58.0481, 71.7282



40.8415, 33.4034, 27.5897

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.



62.4263, 58.0481, 44.4971



46.0485, 58.0481, 71.7282



65.5742, 58.0481, 70.2384

Square

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



46.0485, 58.0481, 71.7282



58.0740, 58.0481, 95.1762



65.4296, 58.0481, 55.3843



52.3702, 58.0481, 39.3385

Rectangle

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



46.0485, 58.0481, 71.7282



51.2333, 58.0481, 93.5616



65.4296, 58.0481, 55.3843



59.3096, 58.0481, 40.2464

Sweetspot

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



46.0502, 58.0504, 71.7295



85.4155, 95.0399, 108.1503



38.6264, 55.1055, 31.5236



18.0499, 20.2227, 23.1299



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.



46.0502, 58.0504, 71.7295



64.8747, 84.4705, 106.2960



37.6205, 40.9867, 69.5492



12.7851, 14.1050, 15.9487



21.6662, 31.9218, 42.3997



1.3090, 1.9263, 2.5691

Inverse Universe

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



40.8415, 33.4034, 27.5897



56.0836, 42.8654, 31.7931



47.0855, 46.0050, 29.3212



12.4296, 12.4233, 12.9365



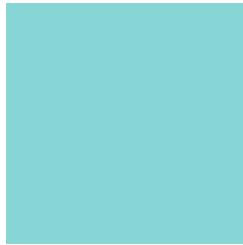
16.7738, 8.6458, 0.8470



1.0140, 0.5224, 0.0632

Previews

White Background



This preview shows how the XYZ color 46.0485, 58.0481, 71.7282 looks on a white background.

Color Contrast Check

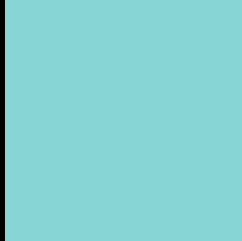
Large Text (above 18pt) WCAG AA × Fail

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 46.0485, 58.0481, 71.7282 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 46.0485, 58.0481, 71.7282

Background



This preview shows how black text looks on a background with the XYZ color 46.0485, 58.0481, 71.7282.

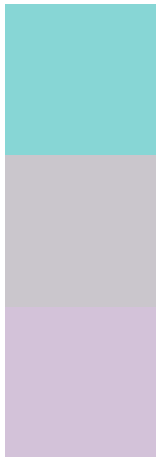


This preview shows how white text looks on a background with the XYZ color 46.0485, 58.0481,

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

46.0485, 58.0481, 71.7282

Protanopia

55.4503, 57.3044, 65.2650

Deuteranopia

58.6801, 57.4422, 73.6403



Tritanopia

48.3338, 58.2331, 82.8214

Trichromacy



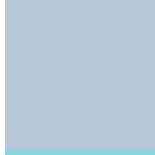
Original Color

46.0485, 58.0481, 71.7282



Protanomaly

51.2154, 57.1557, 67.3643



Deuteranomaly

52.8098, 56.7984, 73.1456



Tritanomaly

47.5948, 58.3195, 78.5603

Monochromacy



Original Color

46.0485, 58.0481, 71.7282



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

47.1940, 53.4701, 61.2595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0485, 58.0481, 71.7282 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(135, 214, 213)` looks like.

```
.text, #text, p{  
    color:rgb(135, 214, 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(135, 214, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 214, 213) }
```

Border

The CSS property to change the border of an element to XYZ 46.0485, 58.0481, 71.7282 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(135, 214, 213) }
```


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

```
.border{ border-color:rgb(135, 214, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 214, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 214, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 214, 213);  
box-shadow:4px 4px 4px 4px rgb(135, 214,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0485, 58.0481, 71.7282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 214, 213) }
```

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

```
.background{ background-color: rgb(135,  
214, 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](#).

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