

Converting Colors

XYZ(46.5846, 58.3296, 85.0599)

Have a look what the booklet for
XYZ(46.5846, 58.3296, 85.0599)
contains.

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Color

**XYZ(46.6117, 58.4201,
85.1635)**

Conversions

Conversions Part 1

Format	Color
Hex	78D7E8
RGB	120, 215, 232
RGB Percent	47%, 84%, 91%
CMY	0.5294, 0.1568, 0.0902
CMYK	0.48, 0.07, 0.00, 0.09
HSL	189°, 71%, 69%
HSV	189°, 48%, 91%
XYZ	46.6117, 58.4201, 85.1635
YIQ	188.5330, -62.0770, -14.8530

Conversions

Conversions Part 2

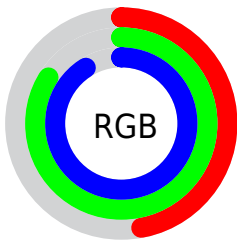
Format	Color
RYB	120, 171, 232
Decimal	7919592
CIELab	80.97, -23.69, -17.08
CIELCh	81, 29.202, 215.795
Yxy	58.4201, 0.2451, 0.3072
Android (android.graphics.Color)	4286109672 (0xFF78D7E8)
YUV	188.5330, 21.4292, -60.1034
Hunter-Lab	76.4330, -24.9019, -12.5592

Details

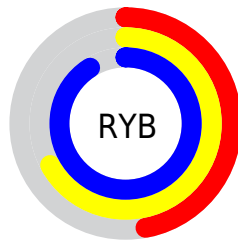
The XYZ color **46.6117, 58.4201, 85.1635** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **45.6159, 36.4046, 22.3937**, and the grayscale version is **48.0119, 50.5123, 55.0079**.

A 20% lighter version of the original color is **72.1701, 88.2050, 107.8292**, and **22.2109, 29.2060, 45.5410** is the 20% darker color. If you saturate the color by 10%, you get **42.8890, 55.1855, 84.7364**, and if you desaturate by 10%, it is **51.1367, 62.0996, 85.6363**.

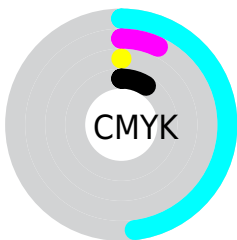
Distribution



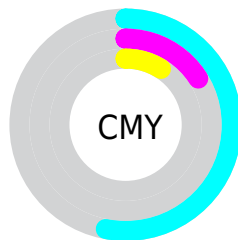
- Red (47%)
- Green (84%)
- Blue (91%)



- Red (47%)
- Yellow (67%)
- Blue (91%)



- Cyan (48%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)





- Cyan (53%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6117, 58.4201, 85.1635 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 46.6117, 58.4201, 85.1635 by changing the saturation by 10% instead.


 46.6117, 58.4201,
85.1635


 46.6117, 58.4201,
85.1635


363.9373,
418.7495, 532.3276


 32.9355, 42.1465,
63.4256


 84.3560, 102.5344,
142.4778

 22.2360, 29.2160,
45.7424

 109.1548,
131.1438, 178.8912

 14.1480, 19.2443,
31.6954


 138.3917,
164.6340, 221.0335

 8.3061, 11.8469,
20.8660

172.4323,
203.3893, 269.3233

 4.3449, 6.6395,
12.8358

211.6418,
247.7941, 324.1790

 1.8990, 3.2377,
7.1862

256.3855,

 0.5763, 1.2571,

298.2328, 386.0193

3.4986

307.0289,
355.0898, 455.2627

■ 0.0000, 0.1076,
1.3545

■ 0.0000, 0.0000,
0.1059

■ 46.6117, 58.4201,
85.1635

■ 46.6117, 58.4201,
85.1635

■ 42.8890, 55.1855,
84.7364

■ 51.1367, 62.0996,
85.6363

■ 39.9058, 52.3592,
84.3481


■ 56.5102, 66.2441,
86.1530


■ 37.5987, 49.9098,
83.9969


■ 62.7814, 70.8803,
86.7174


■ 35.8908, 47.7974,
83.6792


■ 69.9938, 76.0309,
87.3314


 34.6724, 45.9653,
83.3898


 78.1883, 81.7171,
87.9970

 34.4842, 45.6633,
83.3414

 85.8387, 87.1524,
88.6429

 86.8634, 89.2016,
88.9845

 87.9081, 91.2910,
89.3327

 88.9730, 93.4209,
89.6877

Harmonies

Analogous

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



44.7342, 58.4201, 67.0348



46.6117, 58.4201, 85.1635



50.8904, 58.4201, 99.1097

Triad

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



46.6117, 58.4201, 85.1635



66.8322, 58.4201, 78.2768



54.3597, 58.4201, 35.8780

Complementary

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



46.6117, 58.4201, 85.1635



45.6159, 36.4046, 22.3937

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.



60.4361, 58.4201, 37.7952



46.6117, 58.4201, 85.1635



67.9285, 58.4201, 60.3030

Square

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



46.6117, 58.4201, 85.1635



62.6154, 58.4201, 94.6549



65.5113, 58.4201, 46.0387



48.9940, 58.4201, 40.2241

Rectangle

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



46.6117, 58.4201, 85.1635



54.6776, 58.4201, 102.9765



65.5113, 58.4201, 46.0387



56.3842, 58.4201, 35.8230

Sweetspot

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



46.6135, 58.4223, 85.1649



81.4095, 90.4381, 107.7733



41.1049, 63.5081, 33.6855



17.0206, 19.0669, 23.0332



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.



46.6135, 58.4223, 85.1649



53.1378, 68.3768, 105.0051



34.7455, 34.6863, 81.2089



14.6113, 15.9440, 18.4517



19.2186, 25.4993, 46.2921



1.4709, 1.9857, 3.4377

Inverse Universe

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



52.2625, 35.4968, 68.3893



61.1522, 37.6539, 80.8009



55.6961, 56.5651, 25.7538



14.8962, 14.5756, 17.6535



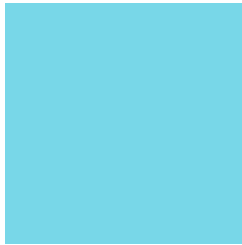
24.0942, 11.7719, 30.4546



1.8061, 0.8801, 2.3852

Previews

White Background



This preview shows how the XYZ color 46.6117, 58.4201, 85.1635 looks on a white background.

Color Contrast Check

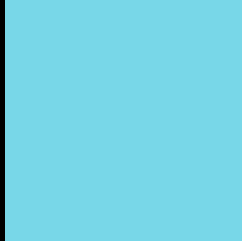
Large Text (above 18pt) WCAG AA × Fail

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 46.6117, 58.4201, 85.1635 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

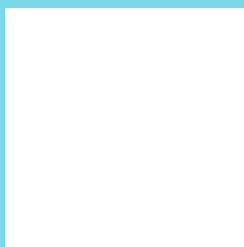
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.6117, 58.4201, 85.1635

Background



This preview shows how black text looks on a background with the XYZ color 46.6117, 58.4201, 85.1635.

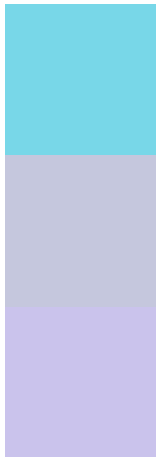


This preview shows how white text looks on a background with the XYZ color 46.6117, 58.4201,

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

46.6117, 58.4201, 85.1635

Protanopia

56.5005, 57.9376, 76.6118

Deuteranopia

59.0125, 57.6429, 87.3728



Tritanopia

46.6117, 58.4201, 85.1635

Trichromacy



Original Color

46.6117, 58.4201, 85.1635

Protanomaly

51.7841, 57.5339, 79.6100

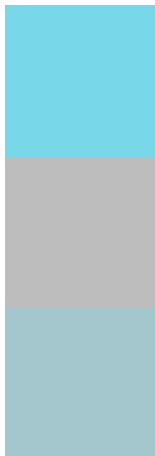
Deuteranomaly

53.1292, 57.0099, 86.8011

Tritanomaly

46.6117, 58.4201, 85.1635

Monochromacy



Original Color

46.6117, 58.4201, 85.1635

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

46.5234, 52.6885, 65.4755

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6117, 58.4201, 85.1635 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(120, 215, 232)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 215, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 215, 232) }
```

Border

The CSS property to change the border of an element to XYZ 46.6117, 58.4201, 85.1635 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(120, 215, 232) }
```


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

```
.border{ border-color:rgb(120, 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(120, 215, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 215, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 215, 232);  
box-shadow:4px 4px 4px 4px rgb(120, 215,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6117, 58.4201, 85.1635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 215, 232) }
```

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

```
.background{ background-color: rgb(120,  
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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