

Converting Colors

XYZ(46.2745, 59.8419, 82.5105)

Have a look what the booklet for
XYZ(46.2745, 59.8419, 82.5105)
contains.

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Color

**XYZ(46.2745, 59.8419,
82.5105)**

Conversions

Conversions Part 1

Format	Color
Hex	72DBE4
RGB	114, 219, 228
RGB Percent	45%, 86%, 89%
CMY	0.5529, 0.1412, 0.1059
CMYK	0.50, 0.04, 0.00, 0.11
HSL	185°, 68%, 67%
HSV	185°, 50%, 89%
XYZ	46.2745, 59.8419, 82.5105
YIQ	188.6310, -65.4690, -19.4610

Conversions

Conversions Part 2

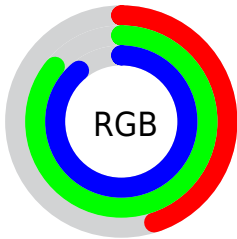
Format	Color
RYB	114, 169, 228
Decimal	7527396
CIELab	81.75, -28.00, -13.80
CIELCh	82, 31.219, 206.236
Yxy	59.8419, 0.2453, 0.3173
Android (android.graphics.Color)	4285717476 (0xFF72DBE4)
YUV	188.6310, 19.4089, -65.4514
Hunter-Lab	77.3575, -28.5988, -9.0892

Details

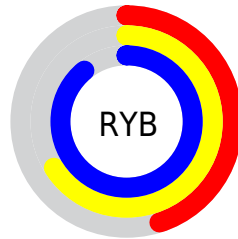
The XYZ color **46.2745, 59.8419, 82.5105** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.1162, 31.8758, 19.8539**, and the grayscale version is **48.0802, 50.5841, 55.0861**.

A 20% lighter version of the original color is **71.0436, 87.6242, 107.7765**, and **22.1337, 30.2462, 44.2067** is the 20% darker color. If you saturate the color by 10%, you get **43.2039, 57.5670, 82.2343**, and if you desaturate by 10%, it is **50.0929, 62.5125, 82.8258**.

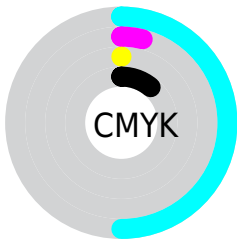
Distribution



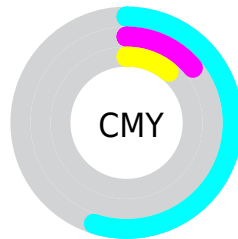
- Red (45%)
- Green (86%)
- Blue (89%)



- Red (45%)
- Yellow (66%)
- Blue (89%)



- Cyan (50%)
- Magenta (4%)
- Yellow (0%)
- Black (11%)



- Cyan (55%)
- Magenta (14%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2745, 59.8419, 82.5105 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 46.2745, 59.8419, 82.5105 by changing the saturation by 10% instead.

46.2745, 59.8419,
82.5105

46.2745, 59.8419,
82.5105

362.6086,
424.0148, 523.2819

32.6680, 43.2912,
61.2482

83.8550, 104.6003,
138.7328

22.0303, 30.1137,
43.9936

108.5598,
133.5768, 174.5298

13.9959, 19.9249,
30.3283

137.6947,
167.4640, 216.0087

8.1995, 12.3405,
19.8338

171.6250,
206.6463, 263.5882

4.2757, 6.9760,
12.0914

210.7163,
251.5082, 317.6867

1.8593, 3.4471,
6.6827

255.3337,

0.5530, 1.3694,

302.4340, 378.7228

3.1890

305.8427,
359.8080, 447.1150

■ 0.0000, 0.1940,
1.1919

■ 0.0000, 0.0000,
0.0000

■ 46.2745, 59.8419,
82.5105

■ 46.2745, 59.8419,
82.5105

■ 43.2039, 57.5670,
82.2343

■ 50.0929, 62.5125,
82.8258

■ 40.8196, 55.6522,
81.9904


■ 54.7039, 65.5979,
83.1783


■ 39.0594, 54.0666,
81.7771

■ 60.1550, 69.1240,
83.5716


■ 37.8475, 52.7710,
81.5909


■ 66.4887, 73.1126,
84.0077


 37.0518, 51.6975,
81.4256


 73.7443, 77.5842,
84.4883

 37.0517, 51.6973,
81.4256

 81.9590, 82.5578,
85.0154

 83.9882, 84.3504,
85.2544

 84.4963, 85.3664,
85.4238

 85.0095, 86.3929,
85.5949

Harmonies

Analogous

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



45.1721, 59.8419, 62.8093



46.2745, 59.8419, 82.5105



50.1367, 59.8419, 100.1319

Triad

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



46.2745, 59.8419, 82.5105



68.0490, 59.8419, 87.4242



57.7120, 59.8419, 35.2942

Complementary

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



46.2745, 59.8419, 82.5105



42.1162, 31.8758, 19.8539

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.



64.1979, 59.8419, 39.4540



46.2745, 59.8419, 82.5105



70.4492, 59.8419, 67.5638

Square

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



46.2745, 59.8419, 82.5105



62.6520, 59.8419, 103.3309



68.9887, 59.8419, 50.4262



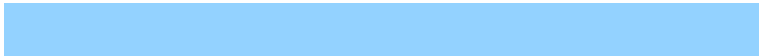
51.4700, 59.8419, 37.7769

Rectangle

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



46.2745, 59.8419, 82.5105



53.9226, 59.8419, 107.0328



68.9887, 59.8419, 50.4262



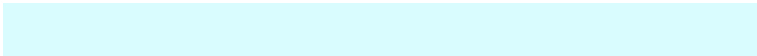
59.9394, 59.8419, 35.9371

Sweetspot

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



46.2763, 59.8442, 82.5119



81.3954, 91.5423, 107.9872



38.1722, 60.4607, 27.9423



17.0575, 19.3636, 23.0885



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.



46.2763, 59.8442, 82.5119



55.5572, 74.1003, 105.9824



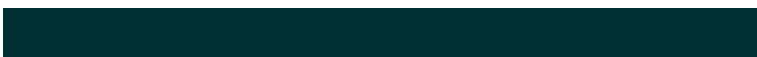
34.1128, 35.5171, 78.4574



14.7050, 16.1314, 18.4830



21.4353, 29.9327, 47.0310



1.6130, 2.2700, 3.4851

Inverse Universe

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



50.7999, 33.6446, 70.8370



62.1575, 37.2292, 88.6435



51.0735, 49.7905, 22.8397



14.9434, 14.5946, 17.9026



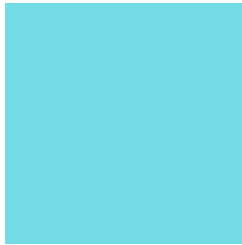
25.2131, 12.2194, 36.3466



1.8778, 0.9088, 2.7631

Previews

White Background



This preview shows how the XYZ color 46.2745, 59.8419, 82.5105 looks on a white background.

Color Contrast Check

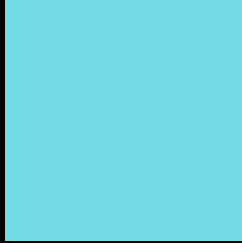
Large Text (above 18pt) WCAG AA × Fail

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 46.2745, 59.8419, 82.5105 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 46.2745, 59.8419, 82.5105

Background



This preview shows how black text looks on a background with the XYZ color 46.2745, 59.8419, 82.5105.

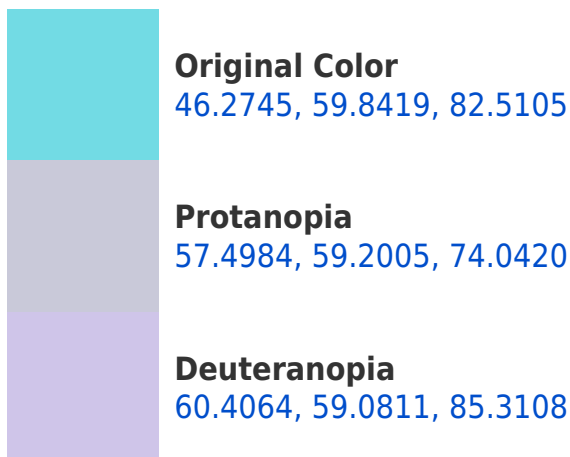


This preview shows how white text looks on a background with the XYZ color 46.2745, 59.8419,

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

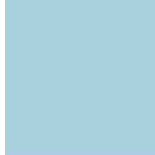
47.4029, 59.9229, 87.6651

Trichromacy



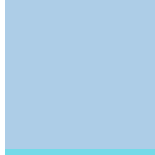
Original Color

46.2745, 59.8419, 82.5105



Protanomaly

51.9692, 58.7672, 77.0108



Deuteranomaly

53.4887, 58.3164, 84.0383



Tritanomaly

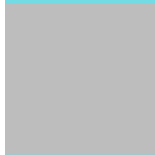
46.8394, 59.6820, 85.3950

Monochromacy



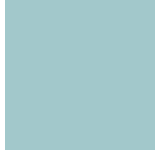
Original Color

46.2745, 59.8419, 82.5105



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

46.3341, 53.3017, 64.3461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2745, 59.8419, 82.5105 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(114, 219, 228)` looks like.

```
.text, #text, p{  
    color:rgb(114, 219, 228)  
}
```

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(114, 219, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 219, 228) }
```

Border

The CSS property to change the border of an element to XYZ 46.2745, 59.8419, 82.5105 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(114, 219, 228) }
```


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

```
.border{ border-color:rgb(114, 219, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 219, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 219, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 219, 228);  
box-shadow:4px 4px 4px 4px rgb(114, 219,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2745, 59.8419, 82.5105 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 219, 228) }
```

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

```
.background{ background-color: rgb(114,  
219, 228) }
```

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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