

Converting Colors

XYZ(45.8406, 58.6430, 83.0329)

Have a look what the booklet for
XYZ(45.8406, 58.6430, 83.0329)
contains.

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Color

**XYZ(46.0259, 58.9277,
83.0771)**

Conversions

Conversions Part 1

Format	Color
Hex	73D9E5
RGB	115, 217, 229
RGB Percent	45%, 85%, 90%
CMY	0.5490, 0.1490, 0.1020
CMYK	0.50, 0.05, 0.00, 0.10
HSL	186°, 69%, 67%
HSV	186°, 50%, 90%
XYZ	46.0259, 58.9277, 83.0771
YIQ	187.8700, -64.6440, -17.8920

Conversions

Conversions Part 2

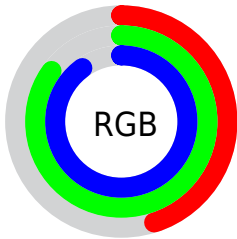
Format	Color
R _{YB}	115, 169, 229
Decimal	7592421
CIE Lab	81.25, -26.55, -15.08
CIE LCh	81, 30.535, 209.594
Yxy	58.9277, 0.2448, 0.3134
Android (android.graphics.Color)	4285782501 (0xFF73D9E5)
YUV	187.8700, 20.2771, -63.9070
Hunter-Lab	76.7644, -27.3138, -10.4306

Details

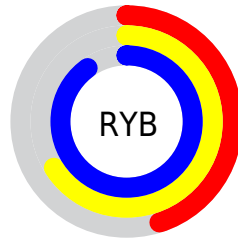
The XYZ color **46.0259, 58.9277, 83.0771** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **42.9980, 33.0756, 20.3391**, and the grayscale version is **47.6426, 50.1238, 54.5848**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **21.9765, 29.6267, 44.6046** is the 20% darker color. If you saturate the color by 10%, you get **42.7642, 56.3320, 82.7490**, and if you desaturate by 10%, it is **50.0482, 61.9316, 83.4460**.

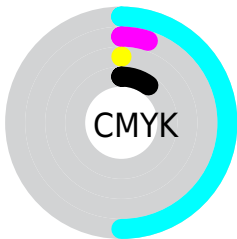
Distribution



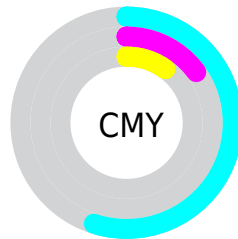
- Red (45%)
- Green (85%)
- Blue (90%)



- Red (45%)
- Yellow (66%)
- Blue (90%)



- Cyan (50%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (55%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0259, 58.9277, 83.0771 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 46.0259, 58.9277, 83.0771 by changing the saturation by 10% instead.

46.0259, 58.9277,
83.0771

46.0259, 58.9277,
83.0771

361.6270,
420.6339, 525.2212

32.4710, 42.5549,
61.7128

83.4854, 103.2726,
139.5336

21.8788, 29.5361,
44.3664

108.1206,
132.0135, 175.4629

13.8840, 19.4867,
30.6193

137.1801,
165.6458, 217.0843

8.1212, 12.0225,
20.0531

171.0290,
204.5541, 264.8163

4.2250, 6.7590,
12.2492

210.0328,
249.1227, 319.0774

1.8302, 3.3118,
6.7890

254.5568,

0.5358, 1.2966,

299.7359, 380.2863

3.2541

304.9664,
356.7782, 448.8613

■ 0.0000, 0.1386,
1.2258

■ 0.0000, 0.0000,
0.0000

■ 46.0259, 58.9277,
83.0771

■ 46.0259, 58.9277,
83.0771

■ 42.7642, 56.3320,
82.7490

■ 50.0482, 61.9316,
83.4460

■ 40.2012, 54.1086,
82.4550


■ 54.8763, 65.3631,
83.8538


■ 38.2741, 52.2264,
82.1932


■ 60.5583, 69.2485,
84.3043


■ 36.9066, 50.6459,
81.9602


■ 67.1369, 73.6096,
84.7994


 35.9694, 49.3005,
81.7500


 74.6521, 78.4673,
85.3409

 35.9504, 49.2719,
81.7454

 83.1411, 83.8408,
85.9307

 84.7702, 85.6916,
86.2021

 85.4606, 87.0724,
86.4322

 86.1604, 88.4719,
86.6654

Harmonies

Analogous

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



44.6395, 58.9277, 63.9142



46.0259, 58.9277, 83.0771



50.0398, 58.9277, 99.3916

Triad

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



46.0259, 58.9277, 83.0771



67.2424, 58.9277, 83.5892



56.0958, 58.9277, 35.1053

Complementary

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



46.0259, 58.9277, 83.0771



42.9980, 33.0756, 20.3391

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.



62.4350, 58.9277, 38.4296



46.0259, 58.9277, 83.0771



69.1616, 58.9277, 64.4110

Square

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



46.0259, 58.9277, 83.0771



62.2737, 58.9277, 99.7245



67.3404, 58.9277, 48.3612



50.1792, 58.9277, 38.2534

Rectangle

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



46.0259, 58.9277, 83.0771



53.8272, 58.9277, 105.1834



67.3404, 58.9277, 48.3612



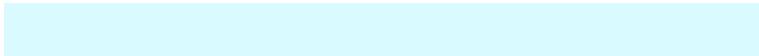
58.2490, 58.9277, 35.4918

Sweetspot

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



46.0277, 58.9300, 83.0785



81.0802, 90.9117, 107.8821



38.8826, 61.2014, 29.6395



16.9807, 19.2101, 23.0629



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.



46.0277, 58.9300, 83.0785



54.3659, 71.7176, 105.5852



33.8896, 34.6537, 79.0325



14.6711, 16.0635, 18.4717



20.6074, 28.2768, 46.7550



1.5602, 2.1644, 3.4675

Inverse Universe

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



50.9697, 33.9307, 69.5110



61.5562, 36.9887, 85.4769



52.4250, 51.9295, 23.4814



14.9263, 14.5877, 17.8123



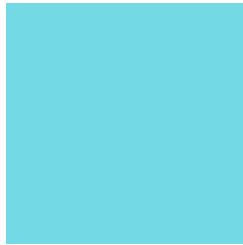
24.7952, 12.0523, 34.1459



1.8512, 0.8982, 2.6227

Previews

White Background



This preview shows how the XYZ color 46.0259, 58.9277, 83.0771 looks on a white background.

Color Contrast Check

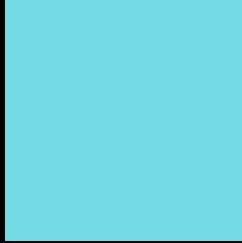
Large Text (above 18pt) WCAG AA × Fail

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 46.0259, 58.9277, 83.0771 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 46.0259, 58.9277, 83.0771

Background



This preview shows how black text looks on a background with the XYZ color 46.0259, 58.9277, 83.0771.



This preview shows how white text looks on a background with the XYZ color 46.0259, 58.9277,

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

46.0259, 58.9277, 83.0771

Protanopia

56.6315, 58.0509, 74.5498

Deuteranopia

59.4931, 58.2577, 85.9511



Tritanopia

46.7433, 58.8342, 86.7344

Trichromacy



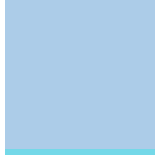
Original Color

46.0259, 58.9277, 83.0771



Protanomaly

51.4046, 57.7414, 77.5431



Deuteranomaly

53.1716, 57.7826, 84.6946



Tritanomaly

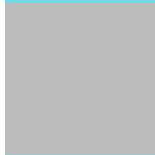
46.3238, 58.6509, 85.2232

Monochromacy



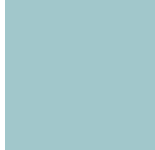
Original Color

46.0259, 58.9277, 83.0771



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.9009, 52.7357, 64.2597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0259, 58.9277, 83.0771 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(115, 217, 229)` looks like.

```
.text, #text, p{  
    color:rgb(115, 217, 229)  
}
```

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(115, 217, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 217, 229) }
```

Border

The CSS property to change the border of an element to XYZ 46.0259, 58.9277, 83.0771 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(115, 217, 229) }
```


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

```
.border{ border-color:rgb(115, 217, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 217, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 217, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 217, 229);  
box-shadow:4px 4px 4px 4px rgb(115, 217,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0259, 58.9277, 83.0771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 217, 229) }
```

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

```
.background{ background-color: rgb(115,  
217, 229) }
```

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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