

Converting Colors

XYZ(46.1916, 58.5828, 85.2170)

Have a look what the booklet for
XYZ(46.1916, 58.5828, 85.2170)
contains.

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Color

**XYZ(46.1916, 58.5828,
85.2170)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 73D8E8 |
| RGB | 115, 216, 232 |
| RGB Percent | 45%, 85%, 91% |
| CMY | 0.5490, 0.1529, 0.0902 |
| CMYK | 0.50, 0.07, 0.00, 0.09 |
| HSL | 188°, 72%, 68% |
| HSV | 188°, 50%, 91% |
| XYZ | 46.1916, 58.5828, 85.2170 |
| YIQ | 187.6250, -65.3320, -16.4360 |

Conversions

Conversions Part 2

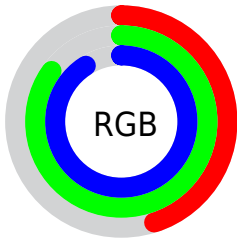
| Format | Color |
|-------------------------------------|---|
| RYB | 115, 169, 232 |
| Decimal | 7592168 |
| CIELab | 81.06, -25.26, -16.96 |
| CIElCh | 81, 30.429, 213.882 |
| Yxy | 58.5828, 0.2431, 0.3083 |
| Android (android.graphics.Color) | 4285782248 (0xFF73D8E8) |
| YUV | 187.6250, 21.8769, -63.6921 |
| Hunter-Lab | 76.5394, -26.2190, -12.4344 |

Details

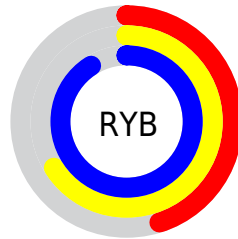
The XYZ color **46.1916, 58.5828, 85.2170** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **44.4907, 34.6274, 20.5601**, and the grayscale version is **47.4955, 49.9689, 54.4162**.

A 20% lighter version of the original color is **71.2656, 87.7387, 107.7869**, and **21.9466, 29.3281, 45.5785** is the 20% darker color. If you saturate the color by 10%, you get **42.7117, 55.5952, 84.8248**, and if you desaturate by 10%, it is **50.4584, 62.0020, 85.6531**.

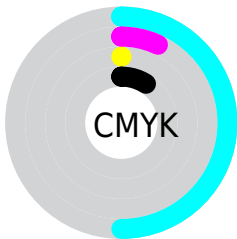
Distribution



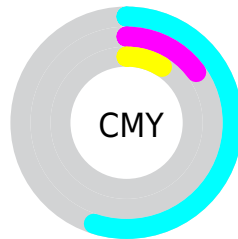
- Red (45%)
- Green (85%)
- Blue (91%)



- Red (45%)
- Yellow (66%)
- Blue (91%)



- Cyan (50%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)





- Cyan (55%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.1916, 58.5828, 85.2170 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 46.1916, 58.5828, 85.2170 by changing the saturation by 10% instead.


 46.1916, 58.5828,
85.2170


 46.1916, 58.5828,
85.2170


362.2814,
419.3541, 532.5091


 32.6023, 42.2774,
63.4695


 83.7318, 102.7711,
142.5532

 21.9797, 29.3185,
45.7777

 108.4134,
131.4227, 178.9789

 13.9585, 19.3219,
31.7230


 137.5231,
164.9585, 221.1346

 8.1733, 11.9031,
20.8870

171.4264,
203.7629, 269.4385

 4.2588, 6.6777,
12.8510

210.4885,
248.2202, 324.3095

 1.8496, 3.2614,
7.1965

255.0748,

 0.5473, 1.2697,

298.7150, 386.1658

3.5050

305.5506,
355.6314, 455.4262

■ 0.0000, 0.1175,
1.3579

■ 0.0000, 0.0000,
0.1086

■ 46.1916, 58.5828,
85.2170

■ 46.1916, 58.5828,
85.2170

■ 42.7117, 55.5952,
84.8248

■ 50.4584, 62.0020,
85.6531

■ 39.9545, 53.0020,
84.4696

■ 55.5594, 65.8733,
86.1315

■ 37.8544, 50.7706,
84.1496

■ 61.5445, 70.2240,
86.6558

■ 36.3313, 48.8596,
83.8610

■ 68.4580, 75.0769,
87.2282

■ 35.2844, 47.2637,
83.6081

■ 76.3414, 80.4536,
87.8505

■ 85.2334, 86.3743,
88.5246

■ 86.4414, 88.3577,
88.8438

■ 87.3743, 90.2235,
89.1548

■ 88.3236, 92.1220,
89.4712

Harmonies

Analogous

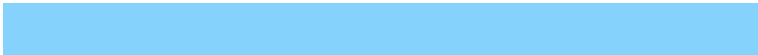
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



44.4179, 58.5828, 66.1713



46.1916, 58.5828, 85.2170



50.5021, 58.5828, 100.4071

Triad

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



46.1916, 58.5828, 85.2170



67.3179, 58.5828, 80.3633



54.8628, 58.5828, 34.9884

Complementary

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



46.1916, 58.5828, 85.2170



44.4907, 34.6274, 20.5601

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.



61.2028, 58.5828, 37.3677



46.1916, 58.5828, 85.2170



68.7037, 58.5828, 61.4601

Square

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



46.1916, 58.5828, 85.2170



62.7326, 58.5828, 97.2533



66.3889, 58.5828, 46.2890



49.1790, 58.5828, 39.0412

Rectangle

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



46.1916, 58.5828, 85.2170



54.3963, 58.5828, 105.0156



66.3889, 58.5828, 46.2890



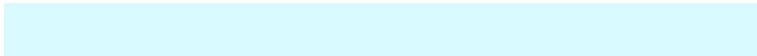
56.9862, 58.5828, 35.0678

Sweetspot

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



46.1934, 58.5850, 85.2184



80.7051, 90.1616, 107.7571



39.9979, 62.9872, 31.3822



16.8895, 19.0276, 23.0325



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.



46.1934, 58.5850, 85.2184



52.5910, 68.5903, 105.0751



33.8471, 33.8924, 81.1030



14.6306, 15.9826, 18.4582



19.6570, 26.3761, 46.4382



1.4992, 2.0423, 3.4472

Inverse Universe

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



51.8057, 34.3768, 68.8731



60.5572, 36.1942, 81.4334



54.5937, 54.8334, 23.9278



14.9059, 14.5795, 17.7048



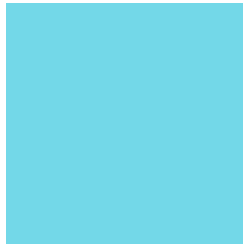
24.3155, 11.8604, 31.6198



1.8204, 0.8859, 2.4605

Previews

White Background



This preview shows how the XYZ color 46.1916, 58.5828, 85.2170 looks on a white background.

Color Contrast Check

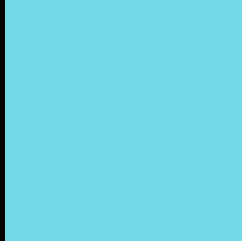
Large Text (above 18pt) WCAG AA × Fail

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 46.1916, 58.5828, 85.2170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

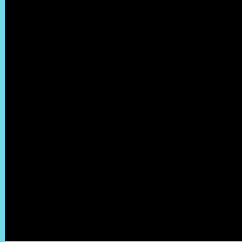
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1916, 58.5828, 85.2170

Background



This preview shows how black text looks on a background with the XYZ color 46.1916, 58.5828, 85.2170.



This preview shows how white text looks on a background with the XYZ color 46.1916, 58.5828,

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

46.1916, 58.5828, 85.2170

Protanopia

56.7633, 58.0731, 76.6241

Deuteranopia

59.0125, 57.6429, 87.3728



Tritanopia

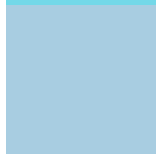
46.3341, 58.6398, 85.9673

Trichromacy



Original Color

46.1916, 58.5828, 85.2170



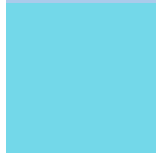
Protanomaly

51.5704, 57.4237, 79.6000



Deuteranomaly

52.9289, 57.2561, 86.8591



Tritanomaly

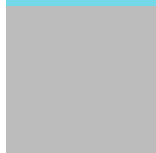
46.3341, 58.6398, 85.9673

Monochromacy



Original Color

46.1916, 58.5828, 85.2170



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.7911, 52.3249, 64.8130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1916, 58.5828, 85.2170 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, 216, 232)` looks like.

```
.text, #text, p{  
    color:rgb(115, 216, 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(115, 216, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 216, 232) }
```

Border

The CSS property to change the border of an element to XYZ 46.1916, 58.5828, 85.2170 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, 216, 232) }
```


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

```
.border{ border-color:rgb(115, 216, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 216, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(115, 216, 232); -webkit-box-shadow:4px 4px 4px 4px rgb(115, 216, 232); box-shadow:4px 4px 4px 4px rgb(115, 216, 232) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1916, 58.5828, 85.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 216, 232) }
```

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

```
.background{ background-color: rgb(115,  
216, 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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