

Converting Colors

XYZ(48.4828, 49.6660, 85.8038)

Have a look what the booklet for
XYZ(48.4828, 49.6660, 85.8038)
contains.

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Color

**XYZ(48.4916, 49.6458,
85.6241)**

Conversions

Conversions Part 1

Format	Color
Hex	A6BBEB
RGB	166, 187, 235
RGB Percent	65%, 73%, 92%
CMY	0.3490, 0.2667, 0.0784
CMYK	0.29, 0.20, 0.00, 0.08
HSL	222°, 63%, 79%
HSV	222°, 29%, 92%
XYZ	48.4916, 49.6458, 85.6241
YIQ	186.1930, -27.9240, 10.4760

Conversions

Conversions Part 2

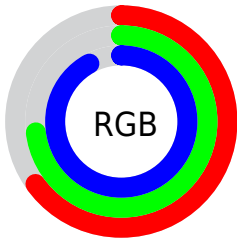
Format	Color
RYB	166, 182, 235
Decimal	10927083
CIELab	75.85, 3.62, -26.24
CIELCh	76, 26.488, 277.846
Yxy	49.6458, 0.2639, 0.2702
Android (android.graphics.Color)	4289117163 (0xFFA6BBEB)
YUV	186.1930, 24.0619, -17.7093
Hunter-Lab	70.4598, -0.4579, -22.7285

Details

The XYZ color **48.4916, 49.6458, 85.6241** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **65.1913, 68.5091, 45.8655**, and the grayscale version is **46.6621, 49.0922, 53.4614**.

A 20% lighter version of the original color is **80.2248, 86.8508, 107.1433**, and **23.3439, 23.7496, 46.0016** is the 20% darker color. If you saturate the color by 10%, you get **40.7354, 40.7897, 84.3243**, and if you desaturate by 10%, it is **57.5459, 59.7594, 87.0999**.

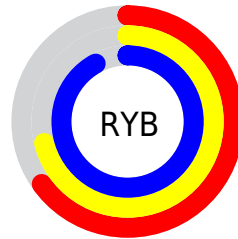
Distribution



Red (65%)

Green (73%)

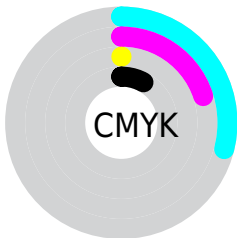
Blue (92%)



Red (65%)

Yellow (71%)

Blue (92%)

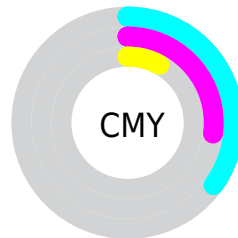


Cyan (29%)

Magenta (20%)

Yellow (0%)

Black (8%)



Cyan (35%)

Magenta (27%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4916, 49.6458, 85.6241 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 48.4916, 49.6458, 85.6241 by changing the saturation by 10% instead.

■ 48.4916, 49.6458,
85.6241

■ 48.4916, 49.6458,
85.6241

371.2877,
385.2792, 533.8893

■ 34.4292, 35.1320,
63.8041

■ 87.1412, 89.6499,
143.1267

■ 23.3880, 23.7646,
46.0468

■ 112.4591,
115.9089, 179.6464

■ 15.0025, 15.1591,
31.9338

142.2595,
146.8519, 221.9030

■ 8.9075, 8.9311,
21.0466

176.9079,
182.8632, 270.3151

■ 4.7375, 4.6963,
12.9665

216.7696,
224.3272, 325.3012

■ 2.1273, 2.0702,
7.2750

262.2098,

■ 0.7040, 0.6478,

271.6282, 387.2799

3.5536

313.5941,
325.1508, 456.6698

■ 0.0000, 0.0000,
1.3838

■ 0.0000, 0.0000,
0.1290

■ 48.4916, 49.6458,
85.6241

■ 48.4916, 49.6458,
85.6241

■ 40.7354, 40.7897,
84.3243

■ 57.5459, 59.7594,
87.0999

■ 34.2103, 33.1336,
83.1905

■ 67.9513, 71.1732,
88.7545

■ 28.8502, 26.6239,
82.2165

■ 79.7638, 83.9349,
90.5952

■ 24.5804, 21.2004,
81.3947

■ 91.1697, 97.1266,
92.5403

■ 21.3170, 16.7963,
80.7166

■ 91.9956, 98.7782,
92.8156

■ 18.9621, 13.3361,
80.1729

■ 17.3688, 10.7168,
79.7513

■ 17.2824, 10.5719,
79.7278

Harmonies

Analogous

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



43.7047, 49.6458, 83.2701



48.4916, 49.6458, 85.6241



53.2395, 49.6458, 78.4282

Triad

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



48.4916, 49.6458, 85.6241



55.0678, 49.6458, 39.0634



38.9474, 49.6458, 44.4591

Complementary

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



48.4916, 49.6458, 85.6241



65.1913, 68.5091, 45.8655

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.



41.6113, 49.6458, 35.3414



48.4916, 49.6458, 85.6241



50.8492, 49.6458, 32.6249

Square

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



48.4916, 49.6458, 85.6241



57.2047, 49.6458, 50.4369



45.9057, 49.6458, 31.3920



38.4127, 49.6458, 57.8438

Rectangle

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



48.4916, 49.6458, 85.6241



55.6679, 49.6458, 69.8142



45.9057, 49.6458, 31.3920



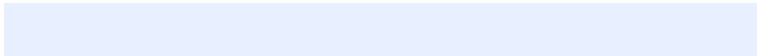
39.6141, 49.6458, 40.8674

Sweetspot

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



48.4932, 49.6478, 85.6252



82.2217, 86.1378, 106.9004



57.4647, 72.3365, 73.9855



17.1831, 17.9843, 22.8156



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.



48.4932, 49.6478, 85.6252



52.7746, 53.4022, 102.1339



47.1426, 42.8142, 84.3774



14.6050, 15.2965, 19.1050



9.7168, 6.0806, 44.4045



0.8451, 0.6416, 3.5142

Inverse Universe

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



56.8681, 48.5239, 53.3846



64.4469, 52.2881, 57.0980



66.8239, 77.7558, 47.5643



15.2542, 15.1295, 16.6239



19.7599, 10.1066, 4.5370



1.5931, 0.8102, 0.5744

Previews

White Background



This preview shows how the XYZ color 48.4916, 49.6458, 85.6241 looks on a white background.

Color Contrast Check

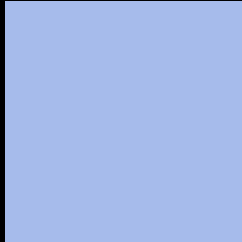
Large Text (above 18pt) WCAG AA × Fail

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 48.4916, 49.6458, 85.6241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

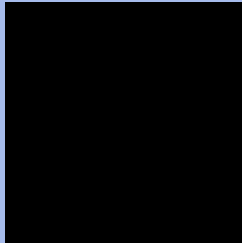
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4916, 49.6458, 85.6241

Background



This preview shows how black text looks on a background with the XYZ color 48.4916, 49.6458, 85.6241.



This preview shows how white text looks on a background with the XYZ color 48.4916, 49.6458,

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

48.4916, 49.6458, 85.6241

Protanopia

49.7361, 49.6951, 84.0615

Deuteranopia

50.6642, 49.5068, 86.2424



Tritanopia

44.6093, 49.6779, 66.2691

Trichromacy



Original Color

48.4916, 49.6458, 85.6241

Protanomaly

49.4234, 49.8290, 84.8550

Deuteranomaly

49.7364, 49.3358, 86.2582

Tritanomaly

45.8381, 49.5180, 72.7877

Monochromacy



Original Color

48.4916, 49.6458, 85.6241

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

47.0484, 49.0612, 64.1168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4916, 49.6458, 85.6241 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(166, 187, 235)` looks like.

```
.text, #text, p{  
    color:rgb(166, 187, 235)  
}
```

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(166, 187, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 187, 235) }
```

Border

The CSS property to change the border of an element to XYZ 48.4916, 49.6458, 85.6241 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(166, 187, 235) }
```


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

```
.border{ border-color:rgb(166, 187, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 187, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 187, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 187, 235);  
box-shadow:4px 4px 4px 4px rgb(166, 187,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4916, 49.6458, 85.6241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 187, 235) }
```

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

```
.background{ background-color: rgb(166,  
187, 235) }
```

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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