

Converting Colors

XYZ(46.1516, 48.1792, 85.1617)

Have a look what the booklet for
XYZ(46.1516, 48.1792, 85.1617)
contains.

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Color

**XYZ(46.2646, 48.1839,
85.4593)**

Conversions

Conversions Part 1

Format	Color
Hex	9CBAEB
RGB	156, 186, 235
RGB Percent	61%, 73%, 92%
CMY	0.3882, 0.2706, 0.0784
CMYK	0.34, 0.21, 0.00, 0.08
HSL	217°, 66%, 77%
HSV	217°, 34%, 92%
XYZ	46.2646, 48.1839, 85.4593
YIQ	182.6160, -33.6090, 8.8790

Conversions

Conversions Part 2

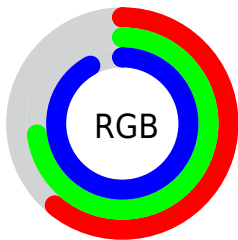
Format	Color
RYB	156, 178, 235
Decimal	10271467
CIELab	74.94, 1.33, -27.69
CIELCh	75, 27.723, 272.747
Yxy	48.1839, 0.2572, 0.2678
Android (android.graphics.Color)	4288461547 (0xFF9CBAEB)
YUV	182.6160, 25.8253, -23.3422
Hunter-Lab	69.4146, -2.5060, -24.4042

Details

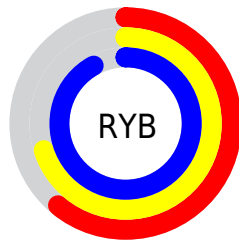
The XYZ color **46.2646, 48.1839, 85.4593** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **62.0939, 63.7259, 40.4816**, and the grayscale version is **44.6772, 47.0039, 51.1873**.

A 20% lighter version of the original color is **76.9535, 84.7213, 106.9047**, and **22.0037, 22.8545, 45.8995** is the 20% darker color. If you saturate the color by 10%, you get **39.2340, 40.2321, 84.2958**, and if you desaturate by 10%, it is **54.4913, 57.2194, 86.7706**.

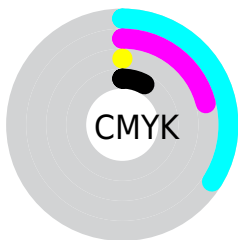
Distribution



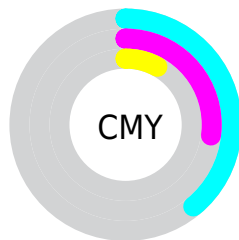
- Red (61%)
- Green (73%)
- Blue (92%)



- Red (61%)
- Yellow (70%)
- Blue (92%)



- Cyan (34%)
- Magenta (21%)
- Yellow (0%)
- Black (8%)



- Cyan (39%)
- Magenta (27%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2646, 48.1839, 85.4593 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 46.2646, 48.1839, 85.4593 by changing the saturation by 10% instead.

■ 46.2646, 48.1839,
85.4593

■ 46.2646, 48.1839,
85.4593

362.5695,
379.5206, 533.3308

■ 32.6602, 33.9725,
63.6686

■ 83.8403, 87.4781,
142.8946

■ 22.0242, 22.8725,
45.9379

■ 108.5423,
113.3298, 179.3762

■ 13.9914, 14.4994,
31.8485

137.6742,
143.8304, 221.5920

■ 8.1964, 8.4688,
20.9819

171.6013,
179.3643, 269.9604

■ 4.2737, 4.3964,
12.9197

210.6891,
220.3158, 324.8999

■ 1.8581, 1.8977,
7.2432

255.3028,

■ 0.5523, 0.5470,

267.0695, 386.8291

3.5339

305.8078,
320.0096, 456.1666

■ 0.0000, 0.0000,
1.3733

■ 0.0000, 0.0000,
0.1208

■ 46.2646, 48.1839,
85.4593

■ 46.2646, 48.1839,
85.4593

■ 39.2340, 40.2321,
84.2958

■ 54.4913, 57.2194,
86.7706

■ 33.3346, 33.3135,
83.2714

■ 63.9651, 67.3751,
88.2315

■ 28.5019, 27.3815,
82.3811

■ 74.7397, 78.6924,
89.8481

■ 24.6625, 22.3828,
81.6186

■ 86.8643, 91.2089,
91.6250

■ 21.7326, 18.2580,
80.9768

■ 91.9956, 98.7782,
92.8155

■ 19.6118, 14.9383,
80.4478

■ 18.5883, 13.1836,
80.1631

Harmonies

Analogous

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



41.4902, 48.1839, 81.2963



46.2646, 48.1839, 85.4593



51.2572, 48.1839, 79.5235

Triad

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



46.2646, 48.1839, 85.4593



54.4659, 48.1839, 38.8045



37.6907, 48.1839, 40.7245

Complementary

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



46.2646, 48.1839, 85.4593



62.0939, 63.7259, 40.4816

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.



40.7396, 48.1839, 32.3662



46.2646, 48.1839, 85.4593



50.3927, 48.1839, 31.4093

Square

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



46.2646, 48.1839, 85.4593



56.2051, 48.1839, 51.1417



45.3333, 48.1839, 29.2873



36.7610, 48.1839, 53.8090

Rectangle

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



46.2646, 48.1839, 85.4593



53.9754, 48.1839, 71.1774



45.3333, 48.1839, 29.2873



38.4901, 48.1839, 37.3569

Sweetspot

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



46.2662, 48.1858, 85.4604



81.4432, 85.8011, 106.8765



54.4051, 70.8798, 68.3934



17.0507, 17.9626, 22.8184



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.



46.2662, 48.1858, 85.4604



49.9785, 51.5755, 101.9287



42.4474, 37.7992, 83.6569



14.7000, 15.4865, 19.1367



10.4587, 7.5645, 44.6518



0.9115, 0.7744, 3.5363

Inverse Universe

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



55.0137, 44.9858, 52.2399



62.1164, 47.8365, 55.6751



67.0063, 77.9517, 42.9686



15.3021, 15.1487, 16.8763



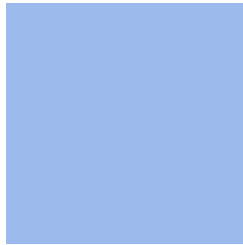
20.1344, 10.2564, 6.5090



1.6266, 0.8236, 0.7509

Previews

White Background



This preview shows how the XYZ color 46.2646, 48.1839, 85.4593 looks on a white background.

Color Contrast Check

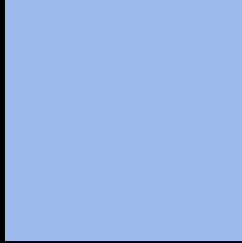
Large Text (above 18pt) WCAG AA × Fail

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 46.2646, 48.1839, 85.4593 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

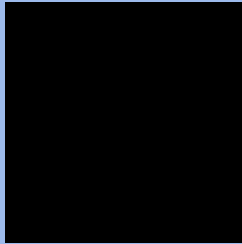
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2646, 48.1839, 85.4593

Background



This preview shows how black text looks on a background with the XYZ color 46.2646, 48.1839, 85.4593.



This preview shows how white text looks on a background with the XYZ color 46.2646, 48.1839,

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

46.2646, 48.1839, 85.4593

Protanopia

48.3067, 48.0527, 83.0730

Deuteranopia

49.1198, 48.1025, 86.0527



Tritanopia

42.1658, 48.1074, 65.4558

Trichromacy



Original Color

46.2646, 48.1839, 85.4593

Protanomaly

47.3674, 47.8572, 83.8316

Deuteranomaly

48.0102, 48.1386, 86.1182

Tritanomaly

43.6709, 48.0803, 72.6244

Monochromacy



Original Color

46.2646, 48.1839, 85.4593

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

45.0347, 47.4295, 62.6583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2646, 48.1839, 85.4593 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(156, 186, 235)` looks like.

```
.text, #text, p{  
    color:rgb(156, 186, 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(156, 186, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 186, 235) }
```

Border

The CSS property to change the border of an element to XYZ 46.2646, 48.1839, 85.4593 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(156, 186, 235) }
```


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

```
.border{ border-color:rgb(156, 186, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 186, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 186, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 186, 235);  
box-shadow:4px 4px 4px 4px rgb(156, 186,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2646, 48.1839, 85.4593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 186, 235) }
```

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

```
.background{ background-color: rgb(156,  
186, 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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