

Converting Colors

XYZ(48.8573, 46.8810, 94.4696)

Have a look what the booklet for
XYZ(48.8573, 46.8810, 94.4696)
contains.

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Color

**XYZ(48.8573, 46.8810,
94.4696)**

Conversions

Conversions Part 1

Format	Color
Hex	A8B2F7
RGB	168, 178, 247
RGB Percent	66%, 70%, 97%
CMY	0.3412, 0.3019, 0.0314
CMYK	0.32, 0.28, 0.00, 0.03
HSL	232°, 83%, 81%
HSV	232°, 32%, 97%
XYZ	48.8573, 46.8810, 94.4696
YIQ	182.8760, -28.1090, 19.3390

Conversions

Conversions Part 2

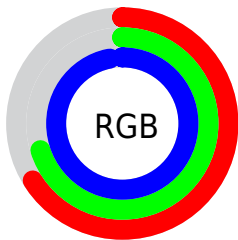
Format	Color
R _Y B	168, 177, 247
Decimal	11055863
CIE Lab	74.11, 12.11, -35.39
CIE LCh	74, 37.400, 288.890
Yxy	46.8810, 0.2569, 0.2465
Android (android.graphics.Color)	4289245943 (0xFFA8B2F7)
YUV	182.8760, 31.6131, -13.0463
Hunter-Lab	68.4697, 7.5486, -33.8753

Details

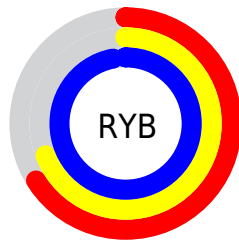
The XYZ color **48.8573, 46.8810, 94.4696** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **75.7108, 83.1705, 49.1105**, and the grayscale version is **44.7864, 47.1188, 51.3124**.

A 20% lighter version of the original color is **78.5242, 82.0732, 106.3108**, and **23.6945, 22.2168, 51.7546** is the 20% darker color. If you saturate the color by 10%, you get **40.1297, 36.5037, 92.9274**, and if you desaturate by 10%, it is **59.2618, 59.1268, 96.2857**.

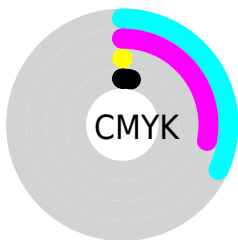
Distribution



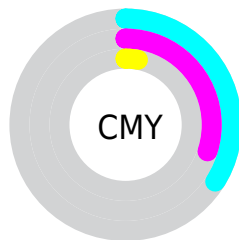
- Red (66%)
- Green (70%)
- Blue (97%)



- Red (66%)
- Yellow (69%)
- Blue (97%)



- Cyan (32%)
- Magenta (28%)
- Yellow (0%)
- Black (3%)



- Cyan (34%)
- Magenta (30%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8573, 46.8810, 94.4696 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 48.8573, 46.8810, 94.4696 by changing the saturation by 10% instead.

■ 48.8573, 46.8810,
94.4696

■ 48.8573, 46.8810,
94.4696

372.7066,
374.3393, 563.4065

■ 34.7204, 32.9416,
71.0992

■ 87.6815, 85.5360,
155.5209

■ 23.6131, 22.0817,
51.9408

113.0994,
111.0203, 194.0388

■ 15.1700, 13.9169,
36.5760

143.0084,
141.1218, 238.4430

■ 9.0259, 8.0629,
24.5861

177.7738,
176.2247, 289.1520

■ 4.8153, 4.1352,
15.5528

217.7610,
216.7135, 346.5843

■ 2.1729, 1.7495,
9.0573

263.3352,

■ 0.7284, 0.4554,

262.9727, 411.1584

4.6813

314.8620,
315.3865, 483.2930

■ 0.0000, 0.0000,
2.0061

■ 0.0000, 0.0000,
0.5590

■ 48.8573, 46.8810,
94.4696

■ 48.8573, 46.8810,
94.4696

■ 40.1297, 36.5037,
92.9274

■ 59.2618, 59.1268,
96.2857

■ 32.9860, 27.8974,
91.6427

■ 71.4202, 73.3213,
98.3847

■ 27.3316, 20.9636,
90.6024

■ 85.4101, 89.5469,
100.7792

■ 23.0594, 15.5922,
89.7908

■ 93.7887, 99.4955,
102.2579

■ 20.0478, 11.6596,
89.1904

■ 18.1533, 9.0224,
88.7813

■ 17.2857, 7.7095,
88.5736

Harmonies

Analogous

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



42.1244, 46.8810, 96.4342



48.8573, 46.8810, 94.4696



54.9775, 46.8810, 79.3219

Triad

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



48.8573, 46.8810, 94.4696



53.5692, 46.8810, 28.0042



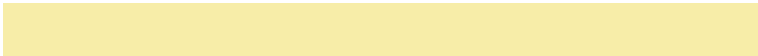
33.0845, 46.8810, 44.2664

Complementary

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



48.8573, 46.8810, 94.4696



75.7108, 83.1705, 49.1105

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.



35.5476, 46.8810, 30.4415



48.8573, 46.8810, 94.4696



47.0856, 46.8810, 22.7449

Square

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



48.8573, 46.8810, 94.4696



57.8804, 46.8810, 40.0172



40.5205, 46.8810, 23.5084



33.4565, 46.8810, 63.9338

Rectangle

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



48.8573, 46.8810, 94.4696



57.6775, 46.8810, 65.5065



40.5205, 46.8810, 23.5084



33.5977, 46.8810, 38.8865

Sweetspot

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



48.8589, 46.8828, 94.4707



79.5848, 82.0843, 106.2570



64.6187, 80.9307, 91.9293



16.6038, 17.0688, 22.6694



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.



48.8589, 46.8828, 94.4707



46.6137, 43.3862, 100.5253



53.8098, 46.5881, 94.1529



15.7502, 16.2647, 20.8518



9.1966, 4.1870, 46.8615



0.8610, 0.4733, 4.1362

Inverse Universe

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



60.3976, 50.9953, 48.7811



60.7743, 48.6640, 44.4021



69.2533, 84.2603, 49.6612



16.5845, 16.5166, 17.5585



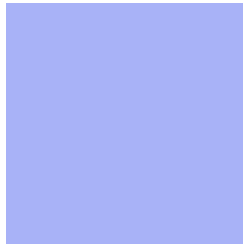
20.4465, 10.5220, 1.7939



1.8236, 0.9354, 0.2976

Previews

White Background



This preview shows how the XYZ color 48.8573, 46.8810, 94.4696 looks on a white background.

Color Contrast Check

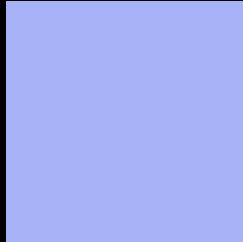
Large Text (above 18pt) WCAG AA × Fail

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 48.8573, 46.8810, 94.4696 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 48.8573, 46.8810, 94.4696

Background



This preview shows how black text looks on a background with the XYZ color 48.8573, 46.8810, 94.4696.



This preview shows how white text looks on a background with the XYZ color 48.8573, 46.8810,

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

48.8573, 46.8810, 94.4696

Protanopia

48.1648, 47.1012, 95.3598

Deuteranopia

48.0129, 46.7421, 94.4873



Tritanopia

42.5315, 47.0740, 62.7217

Trichromacy



Original Color

48.8573, 46.8810, 94.4696

Protanomaly

48.3732, 46.9100, 95.3119

Deuteranomaly

48.4257, 46.9549, 94.5066

Tritanomaly

44.6957, 47.0243, 73.0506

Monochromacy



Original Color

48.8573, 46.8810, 94.4696

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

46.0245, 46.9690, 65.0327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8573, 46.8810, 94.4696 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(168, 178, 247)` looks like.

```
.text, #text, p{  
    color:rgb(168, 178, 247)  
}
```

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(168, 178, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 178, 247) }
```

Border

The CSS property to change the border of an element to XYZ 48.8573, 46.8810, 94.4696 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(168, 178, 247) }
```


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

```
.border{ border-color:rgb(168, 178, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 178, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 178, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 178, 247);  
box-shadow:4px 4px 4px 4px rgb(168, 178,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8573, 46.8810, 94.4696 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 178, 247) }
```

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

```
.background{ background-color: rgb(168,  
178, 247) }
```

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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