

Converting Colors

XYZ(48.4952, 46.6612, 94.7917)

Have a look what the booklet for
XYZ(48.4952, 46.6612, 94.7917)
contains.

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Color

**XYZ(48.4348, 46.6632,
94.4498)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B2F7
RGB	166, 178, 247
RGB Percent	65%, 70%, 97%
CMY	0.3490, 0.3019, 0.0314
CMYK	0.33, 0.28, 0.00, 0.03
HSL	231°, 84%, 81%
HSV	231°, 33%, 97%
XYZ	48.4348, 46.6632, 94.4498
YIQ	182.2780, -29.3010, 18.9150

Conversions

Conversions Part 2

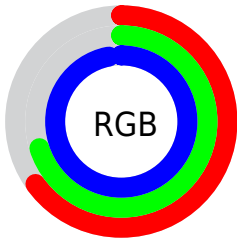
Format	Color
RYB	166, 176, 247
Decimal	10924791
CIELab	73.97, 11.55, -35.61
CIElCh	74, 37.440, 287.973
Yxy	46.6632, 0.2555, 0.2462
Android (android.graphics.Color)	4289114871 (0xFFA6B2F7)
YUV	182.2780, 31.9079, -14.2758
Hunter-Lab	68.3105, 7.0202, -34.1603

Details

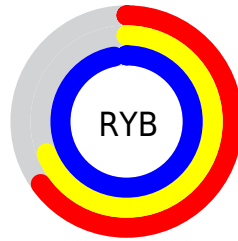
The XYZ color **48.4348, 46.6632, 94.4498** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **74.9501, 81.9451, 47.9448**, and the grayscale version is **44.4592, 46.7745, 50.9374**.

A 20% lighter version of the original color is **77.9042, 81.7536, 106.2818**, and **23.3107, 22.0189, 51.7367** is the 20% darker color. If you saturate the color by 10%, you get **39.8755, 36.5061, 92.9412**, and if you desaturate by 10%, it is **58.6337, 58.6207, 96.2211**.

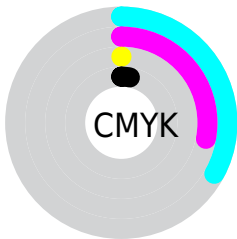
Distribution



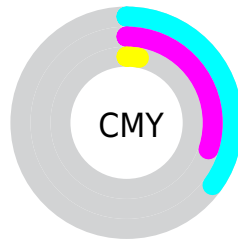
- Red (65%)
- Green (70%)
- Blue (97%)



- Red (65%)
- Yellow (69%)
- Blue (97%)



- Cyan (33%)
- Magenta (28%)
- Yellow (0%)
- Black (3%)



- Cyan (35%)
- Magenta (30%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4348, 46.6632, 94.4498 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 48.4348, 46.6632, 94.4498 by changing the saturation by 10% instead.

■ 48.4348, 46.6632,
94.4498

■ 48.4348, 46.6632,
94.4498

371.0670,
373.4686, 563.3414

■ 34.3840, 32.7695,
71.0828

■ 87.0572, 85.2107,
155.4933

■ 23.3531, 21.9499,
51.9275

■ 112.3596,
110.6332, 194.0068

■ 14.9765, 13.8201,
36.5654

142.1431,
140.6675, 238.4063

■ 8.8891, 7.9956,
24.5781

176.7733,
175.6979, 289.1102

■ 4.7255, 4.0922,
15.5468

216.6154,
216.1088, 346.5372

■ 2.1202, 1.7253,
9.0532

262.0348,

■ 0.7002, 0.4399,

262.2846, 411.1056

4.6786

313.3969,
314.6097, 483.2342

■ 0.0000, 0.0000,
2.0045

■ 0.0000, 0.0000,
0.5581

■ 48.4348, 46.6632,
94.4498

■ 48.4348, 46.6632,
94.4498

■ 39.8755, 36.5061,
92.9412

■ 58.6337, 58.6207,
96.2211

■ 32.8648, 28.0563,
91.6798

■ 70.5473, 72.4548,
98.2635

■ 27.3098, 21.2202,
90.6530

■ 84.2517, 88.2440,
100.5888

■ 23.1059, 15.8930,
89.8464

■ 93.7887, 99.4955,
102.2579

■ 20.1336, 11.9572,
89.2433

■ 18.2517, 9.2767,
88.8251

■ 17.4376, 8.0134,
88.6242

Harmonies

Analogous

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



41.7287, 46.6632, 95.9507



48.4348, 46.6632, 94.4498



54.5945, 46.6632, 79.6315

Triad

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



48.4348, 46.6632, 94.4498



53.5196, 46.6632, 28.0876



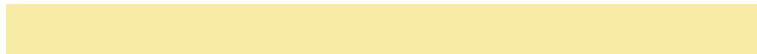
32.9375, 46.6632, 43.5214

Complementary

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



48.4348, 46.6632, 94.4498



74.9501, 81.9451, 47.9448

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.



35.4780, 46.6632, 29.9444



48.4348, 46.6632, 94.4498



47.0829, 46.6632, 22.6527

Square

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



48.4348, 46.6632, 94.4498



57.7270, 46.6632, 40.2813



40.5053, 46.6632, 23.2340



33.2211, 46.6632, 63.0261

Rectangle

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



48.4348, 46.6632, 94.4498



57.3572, 46.6632, 65.8924



40.5053, 46.6632, 23.2340



33.4781, 46.6632, 38.2221

Sweetspot

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



48.4364, 46.6650, 94.4509



79.7405, 82.3956, 106.3089



63.9617, 80.6191, 90.6747



16.6411, 17.1434, 22.6819



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.



48.4364, 46.6650, 94.4509



46.1013, 43.0990, 100.4969



52.7643, 45.5053, 93.9989



15.7793, 16.3228, 20.8615



9.2842, 4.3622, 46.8907



0.8747, 0.5008, 4.1408

Inverse Universe

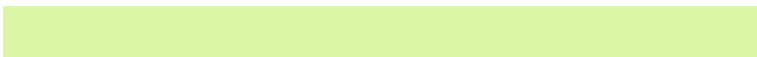
The Inverse Universe completely reimagines the original color for something new.



60.0312, 50.2626, 48.6589



60.3356, 47.7992, 44.2171



69.2532, 84.2816, 48.6961



16.5992, 16.5225, 17.6357



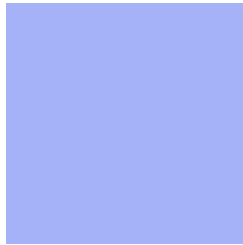
20.4907, 10.5397, 2.0267



1.8306, 0.9382, 0.3341

Previews

White Background



This preview shows how the XYZ color 48.4348, 46.6632, 94.4498 looks on a white background.

Color Contrast Check

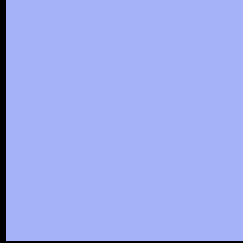
Large Text (above 18pt) WCAG AA × Fail

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 48.4348, 46.6632, 94.4498 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

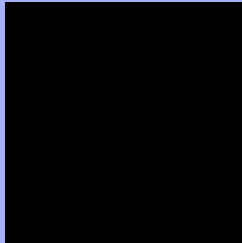
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4348, 46.6632, 94.4498

Background



This preview shows how black text looks on a background with the XYZ color 48.4348, 46.6632, 94.4498.



This preview shows how white text looks on a background with the XYZ color 48.4348, 46.6632,

94.4498.

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

48.4348, 46.6632, 94.4498

Protanopia

47.7613, 46.5946, 95.2833

Deuteranopia

47.8089, 46.6370, 94.4777



Tritanopia

42.1413, 46.8728, 62.7034

Trichromacy



Original Color

48.4348, 46.6632, 94.4498

Protanomaly

48.1676, 46.8040, 95.3023

Deuteranomaly

48.0129, 46.7421, 94.4873

Tritanomaly

44.2926, 46.8165, 73.0317

Monochromacy



Original Color

48.4348, 46.6632, 94.4498

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.5689, 46.7341, 65.0114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4348, 46.6632, 94.4498 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, 178, 247)` looks like.

```
.text, #text, p{  
    color:rgb(166, 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(166, 178, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 178, 247) }
```

Border

The CSS property to change the border of an element to XYZ 48.4348, 46.6632, 94.4498 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, 178, 247) }
```


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

```
.border{ border-color:rgb(166, 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(166, 178, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 178, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 178, 247);  
box-shadow:4px 4px 4px 4px rgb(166, 178,  
247) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4348, 46.6632, 94.4498 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 178, 247) }
```

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

```
.background{ background-color: rgb(166,  
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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