

Converting Colors

XYZ(48.8618, 46.3323, 92.5942)

Have a look what the booklet for
XYZ(48.8618, 46.3323, 92.5942)
contains.

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Color

**XYZ(48.8014, 46.3012,
92.7511)**

Conversions

Conversions Part 1

Format	Color
Hex	ABB0F5
RGB	171, 176, 245
RGB Percent	67%, 69%, 96%
CMY	0.3294, 0.3098, 0.0392
CMYK	0.30, 0.28, 0.00, 0.04
HSL	236°, 79%, 82%
HSV	236°, 30%, 96%
XYZ	48.8014, 46.3012, 92.7511
YIQ	182.3710, -25.1290, 20.3990

Conversions

Conversions Part 2

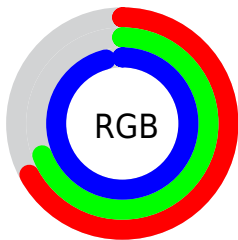
Format	Color
R_{YB}	171, 176, 245
Decimal	11251957
CIE _{Lab}	73.74, 13.56, -34.87
CIE _{LCh}	74, 37.411, 291.257
Yxy	46.3012, 0.2598, 0.2465
Android (android.graphics.Color)	4289442037 (0xFFABB0F5)
YUV	182.3710, 30.8761, -9.9724
Hunter-Lab	68.0450, 8.9403, -33.1858

Details

The XYZ color **48.8014, 46.3012, 92.7511** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **76.1680, 84.6739, 50.8591**, and the grayscale version is **44.5136, 46.8318, 50.9998**.

A 20% lighter version of the original color is **78.9015, 81.4272, 106.1662**, and **23.6209, 21.8281, 50.5452** is the 20% darker color. If you saturate the color by 10%, you get **39.8426, 35.5844, 91.1555**, and if you desaturate by 10%, it is **59.5061, 59.0390, 94.6463**.

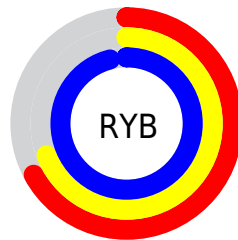
Distribution



Red (67%)

Green (69%)

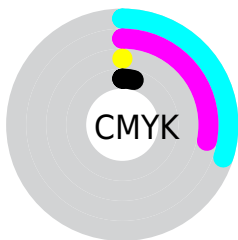
Blue (96%)



Red (67%)

Yellow (69%)

Blue (96%)

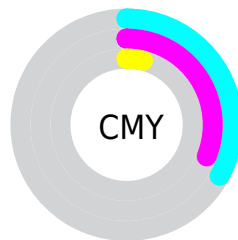


Cyan (30%)

Magenta (28%)

Yellow (0%)

Black (4%)



Cyan (33%)

Magenta (31%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.8014, 46.3012, 92.7511 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 48.8014, 46.3012, 92.7511 by changing the saturation by 10% instead.

■ 48.8014, 46.3012,
92.7511

■ 48.8014, 46.3012,
92.7511

372.4899,
372.0183, 557.7394

■ 34.6758, 32.4836,
69.6781

■ 87.5989, 84.6696,
153.1227

■ 23.5786, 21.7311,
50.7890

113.0016,
109.9891, 191.2584

■ 15.1444, 13.6595,
35.6651

142.8940,
139.9115, 235.2521

■ 9.0078, 7.8842,
23.8881

177.6416,
174.8209, 285.5223

■ 4.8034, 4.0209,
15.0392

217.6096,
215.1019, 342.4876

■ 2.1659, 1.6853,
8.6999

263.1634,

■ 0.7247, 0.4141,

261.1389, 406.5665

4.4519

314.6684,
313.3162, 478.1776

■ 0.0000, 0.0000,
1.8764

■ 0.0000, 0.0000,
0.4776

■ 48.8014, 46.3012,
92.7511

■ 48.8014, 46.3012,
92.7511

■ 39.8426, 35.5844,
91.1555

■ 59.5061, 59.0390,
94.6463

■ 32.5326, 26.7794,
89.8413

■ 72.0377, 73.8884,
96.8521

■ 26.7719, 19.7753,
88.7930

■ 86.4776, 90.9413,
99.3826

■ 22.4485, 14.4473,
87.9924

■ 93.4816, 99.3726,
100.6408

■ 19.4351, 10.6547,
87.4192

■ 17.5817, 8.2337,
87.0496

■ 16.6752, 6.9799,
86.8554

Harmonies

Analogous

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



42.0954, 46.3012, 95.8833



48.8014, 46.3012, 92.7511



54.7371, 46.3012, 76.9375

Triad

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



48.8014, 46.3012, 92.7511



52.4923, 46.3012, 26.9329



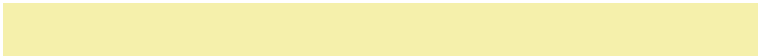
32.5556, 46.3012, 45.0574

Complementary

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



48.8014, 46.3012, 92.7511



76.1680, 84.6739, 50.8591

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.



34.7812, 46.3012, 30.8168



48.8014, 46.3012, 92.7511



45.9775, 46.3012, 22.2200

Square

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



48.8014, 46.3012, 92.7511



57.0127, 46.3012, 38.2845



39.5390, 46.3012, 23.4364



33.1483, 46.3012, 64.8682

Rectangle

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



48.8014, 46.3012, 92.7511



57.2406, 46.3012, 63.1011



39.5390, 46.3012, 23.4364



32.9900, 46.3012, 39.5530

Sweetspot

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



48.8030, 46.3030, 92.7522



80.6542, 83.0027, 106.3779



65.0036, 80.1860, 93.5846



16.7999, 17.2179, 22.6879



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.



48.8030, 46.3030, 92.7522



47.4583, 43.5537, 100.5131



55.3579, 48.2535, 92.7832



15.6711, 16.1064, 20.8255



9.0175, 3.8287, 46.8018



0.8234, 0.3982, 4.1237

Inverse Universe

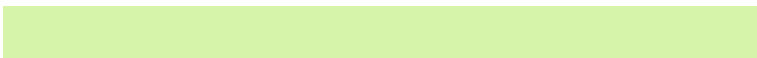
The Inverse Universe completely reimagines the original color for something new.



60.0569, 51.6746, 47.8850



61.5721, 50.4052, 44.2187



67.7846, 82.5674, 50.8943



16.5445, 16.5007, 17.3481



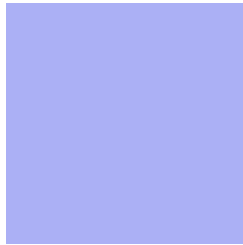
20.3561, 10.4859, 1.3177



1.8047, 0.9278, 0.1978

Previews

White Background



This preview shows how the XYZ color 48.8014, 46.3012, 92.7511 looks on a white background.

Color Contrast Check

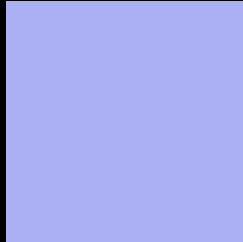
Large Text (above 18pt) WCAG AA × Fail

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 48.8014, 46.3012, 92.7511 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 48.8014, 46.3012, 92.7511

Background



This preview shows how black text looks on a background with the XYZ color 48.8014, 46.3012, 92.7511.



This preview shows how white text looks on a background with the XYZ color 48.8014, 46.3012,

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

48.8014, 46.3012, 92.7511

Protanopia

47.6065, 46.5327, 94.4683

Deuteranopia

47.3538, 46.1590, 92.0017



Tritanopia

42.3557, 46.3985, 60.7563

Trichromacy



Original Color

48.8014, 46.3012, 92.7511

Protanomaly

48.0720, 46.4939, 93.6293

Deuteranomaly

47.7772, 46.0829, 91.9647

Tritanomaly

44.6397, 46.4131, 71.5716

Monochromacy



Original Color

48.8014, 46.3012, 92.7511

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.7008, 46.5153, 64.3273

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.8014, 46.3012, 92.7511 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(171, 176, 245)` looks like.

```
.text, #text, p{  
    color:rgb(171, 176, 245)  
}
```

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(171, 176, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 176, 245) }
```

Border

The CSS property to change the border of an element to XYZ 48.8014, 46.3012, 92.7511 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(171, 176, 245) }
```


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

```
.border{ border-color:rgb(171, 176, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 176, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 176, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 176, 245);  
box-shadow:4px 4px 4px 4px rgb(171, 176,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 48.8014, 46.3012, 92.7511 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 176, 245) }
```

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

```
.background{ background-color: rgb(171,  
176, 245) }
```

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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