

Converting Colors

XYZ(55.5833, 48.9683,
134.1132)

Have a look what the booklet for
XYZ(55.5833, 48.9683, 134.1132)
contains.

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Color

**XYZ(49.3012, 46.3777,
100.9611)**

Conversions

Conversions Part 1

Format	Color
Hex	A6B0FF
RGB	166, 176, 255
RGB Percent	65%, 69%, 100%
CMY	0.3490, 0.3098, 0.0000
CMYK	0.35, 0.31, 0.00, 0.00
HSL	233°, 100%, 83%
HSV	233°, 35%, 100%
XYZ	49.3012, 46.3777, 100.9611
YIQ	182.0160, -31.3190, 22.4490

Conversions

Conversions Part 2

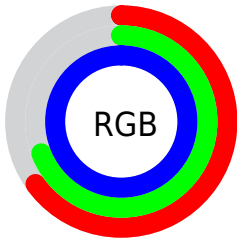
Format	Color
R_{YB}	166, 175, 255
Decimal	10924287
CIE _{Lab}	73.79, 14.71, -40.22
CIE _{LCh}	74, 42.823, 290.094
Yxy	46.3777, 0.2507, 0.2359
Android (android.graphics.Color)	4289114367 (0xFFA6B0FF)
YUV	182.0160, 35.9811, -14.0460
Hunter-Lab	68.1012, 10.0463, -40.2276

Details

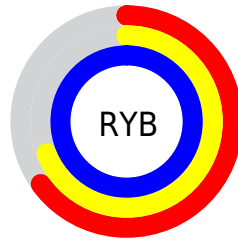
The XYZ color **49.3012, 46.3777, 100.9611** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **80.7758, 89.3183, 49.0610**, and the grayscale version is **44.2960, 46.6028, 50.7505**.

A 20% lighter version of the original color is **77.0573, 80.0598, 105.9995**, and **23.9562, 21.8720, 56.3852** is the 20% darker color. If you saturate the color by 10%, you get **40.4020, 35.7426, 99.3773**, and if you desaturate by 10%, it is **60.0030, 59.0423, 102.8416**.

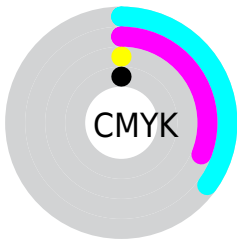
Distribution



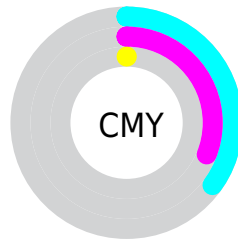
- Red (65%)
- Green (69%)
- Blue (100%)



- Red (65%)
- Yellow (69%)
- Blue (100%)



- Cyan (35%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.3012, 46.3777, 100.9611 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 49.3012, 46.3777, 100.9611 by changing the saturation by 10% instead.

■ 49.3012, 46.3777,
100.9611

■ 49.3012, 46.3777,
100.9611

374.4242,
372.3251, 584.5426

■ 35.0740, 32.5440,
76.4821

■ 88.3367, 84.7840,
164.5407

■ 23.8867, 21.7773,
56.3189

■ 113.8756,
110.1253, 204.4784

■ 15.3738, 13.6934,
40.0529

143.9159,
140.0713, 250.4060

■ 9.1702, 7.9077,
27.2657

178.8228,
175.0064, 302.7422

■ 4.9104, 4.0360,
17.5387

218.9618,
215.3149, 361.9054

■ 2.2290, 1.6937,
10.4533

264.6981,

■ 0.7579, 0.4196,

261.3812, 428.3142

5.5910

316.3971,
313.5898, 502.3871

■ 0.0000, 0.0000,
2.5333

■ 0.0000, 0.0000,
0.8577

■ 49.3012, 46.3777,
100.9611

■ 49.3012, 46.3777,
100.9611

■ 40.4020, 35.7426,
99.3773

■ 60.0030, 59.0423,
102.8416

■ 33.2013, 27.0263,
98.0744

■ 72.5950, 73.8295,
105.0321

■ 27.5913, 20.1149,
97.0361

■ 87.1640, 90.8324,
107.5461

■ 23.4498, 14.8805,
96.2440

■ 95.0500, 100.0000,
108.9000

■ 20.6361, 11.1779,
95.6776

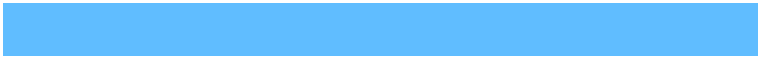
■ 18.9814, 8.8363,
95.3129

■ 18.4809, 8.0818,
95.1936

Harmonies

Analogous

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



41.6110, 46.3777, 104.0488



49.3012, 46.3777, 100.9611



56.2846, 46.3777, 82.4340

Triad

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



49.3012, 46.3777, 100.9611



54.1497, 46.3777, 24.6904



31.1806, 46.3777, 43.6260

Complementary

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



49.3012, 46.3777, 100.9611



80.7758, 89.3183, 49.0610

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.



33.7820, 46.3777, 28.1023



49.3012, 46.3777, 100.9611



46.6460, 46.3777, 19.4437

Square

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



49.3012, 46.3777, 100.9611



59.2995, 46.3777, 37.4252



39.2422, 46.3777, 20.4810



31.7175, 46.3777, 66.3062

Rectangle

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



49.3012, 46.3777, 100.9611



59.3196, 46.3777, 66.1513



39.2422, 46.3777, 20.4810



31.7043, 46.3777, 37.5311

Sweetspot

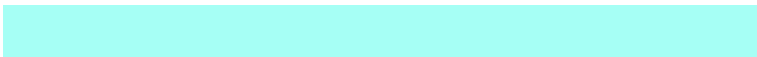
The Sweet Spot groups the original color and five complimentary colors.



49.3027, 46.3794, 100.9613



79.4824, 81.8794, 106.2229



67.9097, 86.1966, 99.1384



16.5792, 17.0196, 22.6613



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.



49.3027, 46.3794, 100.9613



42.8040, 38.6253, 99.8072



55.5381, 46.7895, 100.7118



17.1673, 17.7062, 22.7628



9.7088, 4.3271, 49.7581



0.9961, 0.5228, 4.8617

Inverse Universe

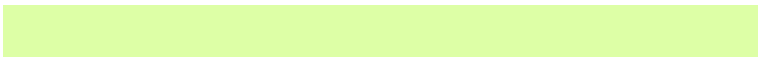
The Inverse Universe completely reimagines the original color for something new.



62.7137, 51.6685, 47.7437



58.1536, 44.9442, 38.8375



72.4270, 89.6274, 49.5607



18.0923, 18.0202, 19.1034



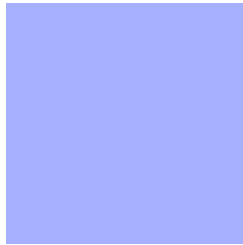
21.6887, 11.1648, 1.7454



2.1374, 1.0973, 0.3048

Previews

White Background



This preview shows how the XYZ color 49.3012, 46.3777, 100.9611 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 49.3012, 46.3777, 100.9611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

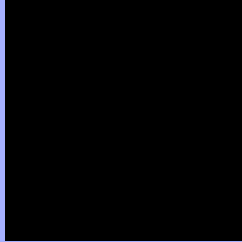
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3012, 46.3777, 100.9611

Background



This preview shows how black text looks on a background with the XYZ color 49.3012, 46.3777, 100.9611.



This preview shows how white text looks on a background with the XYZ color 49.3012, 46.3777,

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

49.3012, 46.3777, 100.9611

Protanopia

47.8750, 46.2289, 101.0075

Deuteranopia

47.5271, 46.3645, 100.2102



Tritanopia

41.4279, 46.2049, 61.9933

Trichromacy



Original Color

49.3012, 46.3777, 100.9611

Protanomaly

48.2693, 46.1379, 100.9692

Deuteranomaly

48.1079, 46.3675, 100.1802

Tritanomaly

43.8796, 45.9455, 74.9623

Monochromacy



Original Color

49.3012, 46.3777, 100.9611

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.7344, 46.4761, 66.8819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3012, 46.3777, 100.9611 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, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 176, 255)  
}
```

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, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 49.3012, 46.3777, 100.9611 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, 176, 255) }
```


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

```
.border{ border-color:rgb(166, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3012, 46.3777, 100.9611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 176, 255) }
```

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

```
.background{ background-color: rgb(166,  
176, 255) }
```

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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