

Converting Colors

XYZ(54.8439, 49.2076,
133.5421)

Have a look what the booklet for
XYZ(54.8439, 49.2076, 133.5421)
contains.

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Color

**XYZ(48.6683, 46.6379,
101.0447)**

Conversions

Conversions Part 1

Format	Color
Hex	A1B2FF
RGB	161, 178, 255
RGB Percent	63%, 70%, 100%
CMY	0.3686, 0.3019, 0.0000
CMYK	0.37, 0.30, 0.00, 0.00
HSL	229°, 100%, 82%
HSV	229°, 37%, 100%
XYZ	48.6683, 46.6379, 101.0447
YIQ	181.6950, -34.8490, 20.3430

Conversions

Conversions Part 2

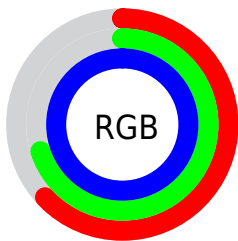
Format	Color
RYB	161, 175, 255
Decimal	10597119
CIELab	73.96, 12.26, -39.98
CIELCh	74, 41.820, 287.052
Yxy	46.6379, 0.2479, 0.2375
Android (android.graphics.Color)	4288787199 (0xFFA1B2FF)
YUV	181.6950, 36.1394, -18.1495
Hunter-Lab	68.2919, 7.6972, -39.9211

Details

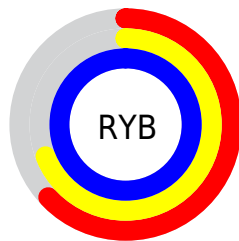
The XYZ color **48.6683, 46.6379, 101.0447** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **78.2480, 84.9826, 45.9991**, and the grayscale version is **44.1224, 46.4202, 50.5515**.

A 20% lighter version of the original color is **76.3863, 80.9711, 106.2107**, and **23.5978, 22.0631, 56.4409** is the 20% darker color. If you saturate the color by 10%, you get **40.1994, 36.5657, 99.5469**, and if you desaturate by 10%, it is **58.8208, 58.5193, 102.8029**.

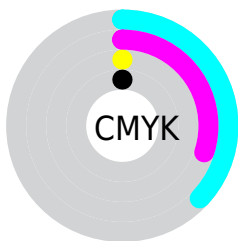
Distribution



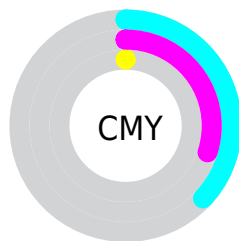
- Red (63%)
- Green (70%)
- Blue (100%)



- Red (63%)
- Yellow (69%)
- Blue (100%)



- Cyan (37%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)




- Cyan (37%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.6683, 46.6379, 101.0447 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 48.6683, 46.6379, 101.0447 by changing the saturation by 10% instead.

 48.6683, 46.6379,
101.0447


 48.6683, 46.6379,
101.0447


371.9737,
373.3673, 584.8122

 34.5699, 32.7495,
76.5516


 87.4023, 85.1729,
164.6565

 23.4967, 21.9346,
56.3755


 112.7686,
110.5882, 204.6122

 15.0834, 13.8089,
40.0981


142.6215,
140.6147, 250.5592

 8.9646, 7.9878,
27.3007

177.3265,
175.6366, 302.9160

 4.7750, 4.0872,
17.5647

217.2488,
216.0385, 362.1012

 2.1493, 1.7224,
10.4717

262.7539,

 0.7158, 0.4381,

262.2046, 428.5332

5.6032

314.2071,
314.5194, 502.6307

■ 0.0000, 0.0000,
2.5405

■ 0.0000, 0.0000,
0.8615

■ 48.6683, 46.6379,
101.0447

■ 48.6683, 46.6379,
101.0447

■ 40.1994, 36.5657,
99.5469

■ 58.8208, 58.5193,
102.8029

■ 33.3170, 28.2076,
98.2963

■ 70.7379, 72.2885,
104.8325

■ 27.9208, 21.4670,
97.2797

■ 84.5006, 88.0256,
107.1447

■ 23.8967, 16.2357,
96.4820

95.0500, 100.0000,
108.9000

■ 21.1131, 12.3910,
95.8867

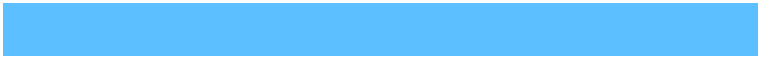
■ 19.4085, 9.7883,
95.4741

■ 19.0316, 9.1832,
95.3772

Harmonies

Analogous

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



41.1913, 46.6379, 102.2541



48.6683, 46.6379, 101.0447



55.6771, 46.6379, 84.2238

Triad

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



48.6683, 46.6379, 101.0447



54.8358, 46.6379, 26.2574



31.7676, 46.6379, 42.1219

Complementary

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



48.6683, 46.6379, 101.0447



78.2480, 84.9826, 45.9991

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.



34.6364, 46.6379, 27.6206



48.6683, 46.6379, 101.0447



47.6199, 46.6379, 20.3466

Square

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



48.6683, 46.6379, 101.0447



59.5027, 46.6379, 39.6625



40.2536, 46.6379, 20.7633



31.9810, 46.6379, 63.8038

Rectangle

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



48.6683, 46.6379, 101.0447



58.8908, 46.6379, 68.5388



40.2536, 46.6379, 20.7633



32.3885, 46.6379, 36.3900

Sweetspot

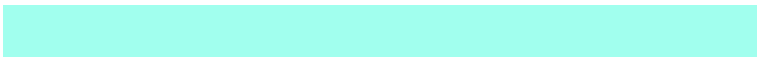
The Sweet Spot groups the original color and five complimentary colors.



48.6698, 46.6396, 101.0449



78.5759, 81.2689, 106.1528



65.8571, 85.2568, 93.6950



16.4181, 16.9372, 22.6538



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.



48.6698, 46.6396, 101.0449



42.4566, 39.2688, 99.9497



52.2234, 43.7575, 100.3013



17.2686, 17.9089, 22.7966



10.0205, 4.9506, 49.8620



1.0442, 0.6190, 4.8777

Inverse Universe

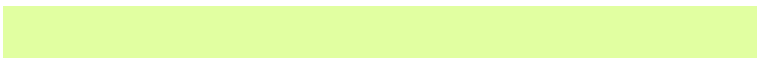
The Inverse Universe completely reimagines the original color for something new.



62.0217, 49.9655, 48.4967



57.6516, 43.4926, 40.0499



73.3179, 90.1386, 47.2542



18.1435, 18.0407, 19.3728



21.8461, 11.2277, 2.5740



2.1616, 1.1070, 0.4327

Previews

White Background



This preview shows how the XYZ color 48.6683, 46.6379, 101.0447 looks on a white background.

Color Contrast Check

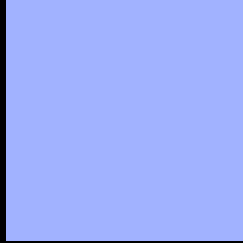
Large Text (above 18pt) WCAG AA × Fail

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 48.6683, 46.6379, 101.0447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

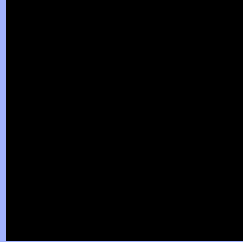
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.6683, 46.6379, 101.0447

Background



This preview shows how black text looks on a background with the XYZ color 48.6683, 46.6379, 101.0447.



This preview shows how white text looks on a background with the XYZ color 48.6683, 46.6379,

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

48.6683, 46.6379, 101.0447

Protanopia

48.2707, 46.7293, 101.0833

Deuteranopia

47.8804, 46.5281, 101.0650



Tritanopia

41.1571, 46.6678, 63.3385

Trichromacy



Original Color

48.6683, 46.6379, 101.0447

Protanomaly

48.4682, 46.8311, 101.0925

Deuteranomaly

48.2707, 46.7293, 101.0833

Tritanomaly

43.4622, 46.3272, 75.7586

Monochromacy



Original Color

48.6683, 46.6379, 101.0447

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

45.4881, 46.6499, 66.9284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.6683, 46.6379, 101.0447 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(161, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 178, 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(161, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.6683, 46.6379, 101.0447 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(161, 178, 255) }
```


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

```
.border{ border-color:rgb(161, 178, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 178, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 178, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 178,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.6683, 46.6379, 101.0447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 178, 255) }
```

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

```
.background{ background-color: rgb(161,  
178, 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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