

Converting Colors

XYZ(48.8317, 45.4676,
100.8102)

Have a look what the booklet for
XYZ(48.8317, 45.4676, 100.8102)
contains.

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Color

**XYZ(48.9119, 45.5991,
100.8313)**

Conversions

Conversions Part 1

Format	Color
Hex	A6AEFF
RGB	166, 174, 255
RGB Percent	65%, 68%, 100%
CMY	0.3490, 0.3176, 0.0000
CMYK	0.35, 0.32, 0.00, 0.00
HSL	235°, 100%, 83%
HSV	235°, 35%, 100%
XYZ	48.9119, 45.5991, 100.8313
YIQ	180.8420, -30.7690, 23.4950

Conversions

Conversions Part 2

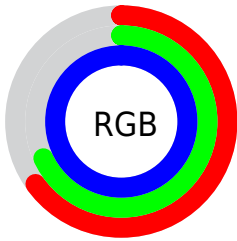
Format	Color
R _Y B	166, 173, 255
Decimal	10923775
CIE Lab	73.28, 15.83, -41.00
CIE LCh	73, 43.954, 291.110
Yxy	45.5991, 0.2504, 0.2334
Android (android.graphics.Color)	4289113855 (0xFFA6AEFF)
YUV	180.8420, 36.5599, -13.0164
Hunter-Lab	67.5271, 11.1204, -41.2627

Details

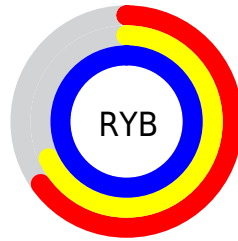
The XYZ color **48.9119, 45.5991, 100.8313** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **81.3842, 90.5351, 49.2638**, and the grayscale version is **43.6577, 45.9313, 50.0192**.

A 20% lighter version of the original color is **76.5007, 78.9466, 105.8139**, and **23.7081, 21.3758, 56.3025** is the 20% darker color. If you saturate the color by 10%, you get **39.9840, 34.9067, 99.2380**, and if you desaturate by 10%, it is **59.6770, 58.3903, 102.7329**.

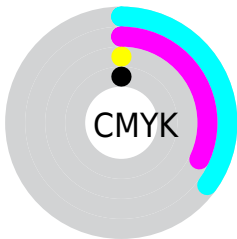
Distribution



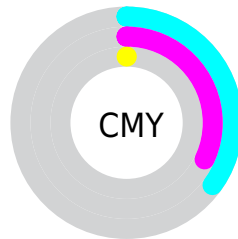
- Red (65%)
- Green (68%)
- Blue (100%)



- Red (65%)
- Yellow (68%)
- Blue (100%)



- Cyan (35%)
- Magenta (32%)
- Yellow (0%)
- Black (0%)



- Cyan (35%)
- Magenta (32%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.9119, 45.5991, 100.8313 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 48.9119, 45.5991, 100.8313 by changing the saturation by 10% instead.

■ 48.9119, 45.5991,
100.8313

■ 48.9119, 45.5991,
100.8313

372.9181,
369.1945, 584.1240

■ 34.7638, 31.9296,
76.3742

■ 87.7621, 83.6187,
164.3609

■ 23.6467, 21.3077,
56.2309

■ 113.1950,
108.7376, 204.2706

■ 15.1950, 13.3491,
39.9829

143.1201,
138.4417, 250.1682

■ 9.0436, 7.6694,
27.2115

177.9030,
173.1154, 302.4722

■ 4.8270, 3.8841,
17.4983

217.9088,
213.1432, 361.6013

■ 2.1798, 1.6090,
10.4247

263.5031,

■ 0.7321, 0.3636,

258.9093, 427.9739

5.5722

315.0510,
310.7983, 502.0087

■ 0.0000, 0.0000,
2.5222

■ 0.0000, 0.0000,
0.8519

■ 48.9119, 45.5991,
100.8313

■ 48.9119, 45.5991,
100.8313

■ 39.9840, 34.9067,
99.2380

■ 59.6770, 58.3903,
102.7329

■ 32.7862, 26.1960,
97.9361

■ 72.3697, 73.3789,
104.9570

■ 27.2069, 19.3461,
96.9079

■ 87.0796, 90.6636,
107.5180

■ 23.1198, 14.2205,
96.1340

95.0500, 100.0000,
108.9000

■ 20.3793, 10.6642,
95.5920

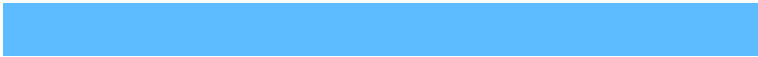
■ 18.8099, 8.4933,
95.2557

■ 18.3548, 7.8297,
95.1516

Harmonies

Analogous

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



41.0859, 45.5991, 104.6358



48.9119, 45.5991, 100.8313



55.9570, 45.5991, 81.4233

Triad

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



48.9119, 45.5991, 100.8313



53.3483, 45.5991, 23.3588



30.2623, 45.5991, 43.3629

Complementary

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



48.9119, 45.5991, 100.8313



81.3842, 90.5351, 49.2638

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.



32.7792, 45.5991, 27.4491



48.9119, 45.5991, 100.8313



45.6763, 45.5991, 18.3701

Square

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



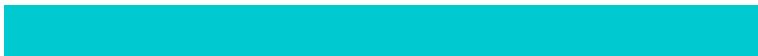
48.9119, 45.5991, 100.8313



58.7224, 45.5991, 35.8537



38.2092, 45.5991, 19.6044



30.9108, 45.5991, 66.5960

Rectangle

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



48.9119, 45.5991, 100.8313



58.9637, 45.5991, 64.7308



38.2092, 45.5991, 19.6044



30.7540, 45.5991, 37.1142

Sweetspot

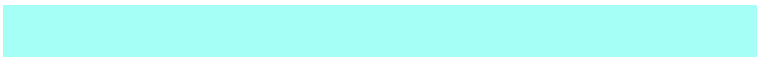
The Sweet Spot groups the original color and five complimentary colors.



48.9133, 45.6008, 100.8316



79.3210, 81.5566, 106.1691



68.1366, 86.2874, 100.3335



16.5405, 16.9423, 22.6484



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.



48.9133, 45.6008, 100.8316



42.3910, 37.7992, 99.6695



55.9365, 46.9949, 100.7305



17.1343, 17.6401, 22.7518



9.6349, 4.1794, 49.7335



0.9805, 0.4917, 4.8565

Inverse Universe

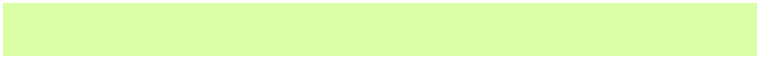
The Inverse Universe completely reimagines the original color for something new.



62.5172, 51.5899, 46.7089



57.9451, 44.8608, 37.7396



71.9776, 89.3957, 49.5396



18.0757, 18.0136, 19.0156



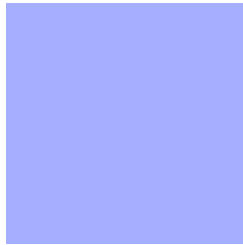
21.6515, 11.1499, 1.5492



2.1295, 1.0942, 0.2635

Previews

White Background



This preview shows how the XYZ color 48.9119, 45.5991, 100.8313 looks on a white background.

Color Contrast Check

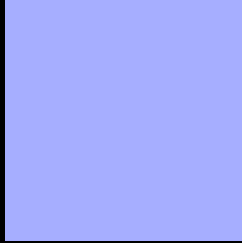
Large Text (above 18pt) WCAG AA × Fail

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 48.9119, 45.5991, 100.8313 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 48.9119, 45.5991, 100.8313

Background



This preview shows how black text looks on a background with the XYZ color 48.9119, 45.5991, 100.8313.



This preview shows how white text looks on a background with the XYZ color 48.9119, 45.5991,

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

48.9119, 45.5991, 100.8313

Protanopia

47.2897, 45.6328, 100.9233

Deuteranopia

46.9467, 45.7689, 100.1258



Tritanopia

40.9112, 45.6404, 61.2968

Trichromacy



Original Color

48.9119, 45.5991, 100.8313

Protanomaly

47.8734, 45.6416, 100.8943

Deuteranomaly

47.7121, 45.8691, 100.1049

Tritanomaly

43.5427, 45.4842, 74.1945

Monochromacy



Original Color

48.9119, 45.5991, 100.8313

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

45.2101, 45.6250, 66.0982

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.9119, 45.5991, 100.8313 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, 174, 255)` looks like.

```
.text, #text, p{  
    color:rgb(166, 174, 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, 174, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 174, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.9119, 45.5991, 100.8313 is called "border". The border property can be set on classes, ids or directly on the HTML element.

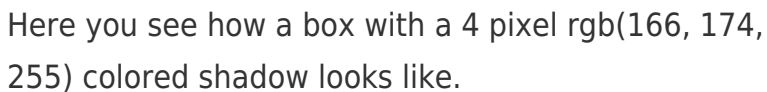
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(166, 174, 255) }
```


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

```
.border{ border-color:rgb(166, 174, 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, 174, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 174, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 174, 255);  
box-shadow:4px 4px 4px 4px rgb(166, 174,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.9119, 45.5991, 100.8313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 174, 255) }
```

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

```
.background{ background-color: rgb(166,  
174, 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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