

Converting Colors

XYZ(51.9407, 47.5481,
127.0799)

Have a look what the booklet for
XYZ(51.9407, 47.5481, 127.0799)
contains.

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Color

**XYZ(46.9090, 45.4366,
100.9055)**

Conversions

Conversions Part 1

Format	Color
Hex	99B1FF
RGB	153, 177, 255
RGB Percent	60%, 69%, 100%
CMY	0.4000, 0.3059, 0.0000
CMYK	0.40, 0.31, 0.00, 0.00
HSL	226°, 100%, 80%
HSV	226°, 40%, 100%
XYZ	46.9090, 45.4366, 100.9055
YIQ	178.7160, -39.3420, 19.1700

Conversions

Conversions Part 2

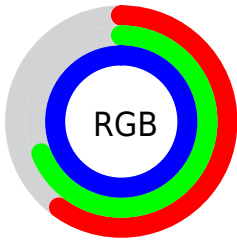
Format	Color
R_{YB}	153, 172, 255
Decimal	10072575
CIE _{Lab}	73.18, 10.74, -41.24
CIE _{LCh}	73, 42.612, 284.602
Yxy	45.4366, 0.2427, 0.2351
Android (android.graphics.Color)	4288262655 (0xFF99B1FF)
YUV	178.7160, 37.6080, -22.5529
Hunter-Lab	67.4067, 6.2583, -41.5704

Details

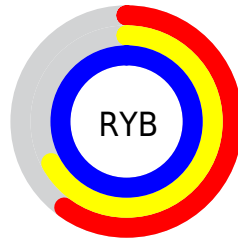
The XYZ color **46.9090, 45.4366, 100.9055** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **75.5664, 80.7126, 41.7352**, and the grayscale version is **42.5193, 44.7336, 48.7149**.

A 20% lighter version of the original color is **73.4850, 78.6349, 105.9127**, and **22.4564, 21.2858, 56.3511** is the 20% darker color. If you saturate the color by 10%, you get **39.0200, 36.0554, 99.5105**, and if you desaturate by 10%, it is **56.3797, 56.4520, 102.5325**.

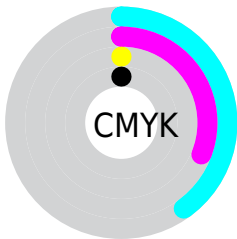
Distribution



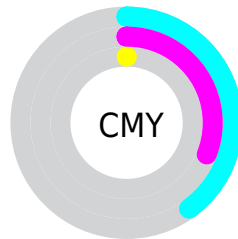
- Red (60%)
- Green (69%)
- Blue (100%)



- Red (60%)
- Yellow (67%)
- Blue (100%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (40%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.9090, 45.4366, 100.9055 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 46.9090, 45.4366, 100.9055 by changing the saturation by 10% instead.

■ 46.9090, 45.4366,
100.9055

■ 46.9090, 45.4366,
100.9055

365.1062,
368.5389, 584.3634

■ 33.1714, 31.8015,
76.4359

■ 84.7973, 83.3752,
164.4637

■ 22.4176, 21.2099,
56.2812

■ 109.6788,
108.4474, 204.3894

■ 14.2824, 13.2775,
40.0229

139.0055,
138.1008, 250.3041

■ 8.4004, 7.6199,
27.2425

173.1429,
172.7198, 302.6265

■ 4.4061, 3.8527,
17.5214

212.4563,
212.6887, 361.7751

■ 1.9344, 1.5915,
10.4410

257.3111,

■ 0.5967, 0.3519,

258.3919, 428.1684

5.5829

308.0726,
310.2138, 502.2250

■ 0.0000, 0.0000,
2.5285

■ 0.0000, 0.0000,
0.8552

■ 46.9090, 45.4366,
100.9055

■ 46.9090, 45.4366,
100.9055

■ 39.0200, 36.0554,
99.5105

■ 56.3797, 56.4520,
102.5325

■ 32.6189, 28.2228,
98.3361

■ 67.5097, 69.1714,
104.4010

■ 27.6085, 21.8529,
97.3706

■ 80.3769, 83.6664,
106.5206

■ 23.8776, 16.8481,
96.6013

95.0500, 100.0000,
108.9000

■ 21.2958, 13.0979,
96.0135

■ 19.6661, 10.4520,
95.5887

■ 19.6658, 10.4516,
95.5886

Harmonies

Analogous

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



39.4838, 45.4366, 100.6678



46.9090, 45.4366, 100.9055



54.0763, 45.4366, 84.9179

Triad

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



46.9090, 45.4366, 100.9055



54.2404, 45.4366, 25.8465



30.7666, 45.4366, 39.3351

Complementary

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



46.9090, 45.4366, 100.9055



75.5664, 80.7126, 41.7352

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.



33.8660, 45.4366, 25.5852



46.9090, 45.4366, 100.9055



47.1130, 45.4366, 19.4689

Square

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



46.9090, 45.4366, 100.9055



58.6287, 45.4366, 39.8108



39.6656, 45.4366, 19.3896



30.7254, 45.4366, 60.5836

Rectangle

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



46.9090, 45.4366, 100.9055



57.5028, 45.4366, 69.2946



39.6656, 45.4366, 19.3896



31.4679, 45.4366, 33.8449

Sweetspot

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



46.9104, 45.4382, 100.9058



77.6587, 80.6195, 106.0758



63.1106, 83.9779, 87.3792



16.2508, 16.8388, 22.6436



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.



46.9104, 45.4382, 100.9058



40.4747, 37.8037, 99.7713



47.9177, 39.5285, 99.7120



17.3499, 18.0713, 22.8236



10.3699, 5.6493, 49.9785



1.0891, 0.7090, 4.8927

Inverse Universe

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



60.5681, 47.2183, 47.5184



56.0412, 40.5131, 38.7694



73.9834, 90.5606, 43.7195



18.1845, 18.0571, 19.5887



22.0224, 11.2983, 3.5026



2.1844, 1.1161, 0.5522

Previews

White Background



This preview shows how the XYZ color 46.9090, 45.4366, 100.9055 looks on a white background.

Color Contrast Check

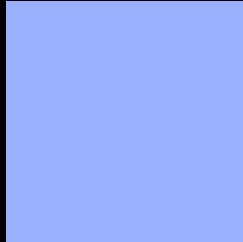
Large Text (above 18pt) WCAG AA × Fail

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 46.9090, 45.4366, 100.9055 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

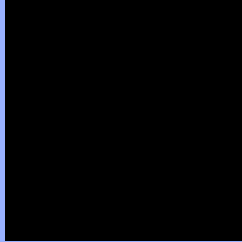
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9090, 45.4366, 100.9055

Background



This preview shows how black text looks on a background with the XYZ color 46.9090, 45.4366, 100.9055.



This preview shows how white text looks on a background with the XYZ color 46.9090, 45.4366,

100.9055.

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

46.9090, 45.4366, 100.9055

Protanopia

47.2897, 45.6328, 100.9233

Deuteranopia

46.7329, 45.6401, 100.9541



Tritanopia

39.2462, 45.3804, 62.5679

Trichromacy



Original Color

46.9090, 45.4366, 100.9055

Protanomaly

47.0986, 45.5343, 100.9144

Deuteranomaly

46.9193, 45.7362, 100.9628

Tritanomaly

41.6617, 45.1072, 74.9174

Monochromacy



Original Color

46.9090, 45.4366, 100.9055

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.7604, 44.8918, 65.3901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9090, 45.4366, 100.9055 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(153, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(153, 177, 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(153, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 177, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.9090, 45.4366, 100.9055 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(153, 177, 255) }
```


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

```
.border{ border-color:rgb(153, 177, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 177, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(153, 177,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9090, 45.4366, 100.9055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 177, 255) }
```

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

```
.background{ background-color: rgb(153,  
177, 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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