

Converting Colors

XYZ(46.4203, 45.3479,
101.7665)

Have a look what the booklet for
XYZ(46.4203, 45.3479, 101.7665)
contains.

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Color

**XYZ(46.3648, 45.4504,
100.9368)**

Conversions

Conversions Part 1

Format	Color
Hex	95B2FF
RGB	149, 178, 255
RGB Percent	58%, 70%, 100%
CMY	0.4157, 0.3019, 0.0000
CMYK	0.42, 0.30, 0.00, 0.00
HSL	224°, 100%, 79%
HSV	224°, 42%, 100%
XYZ	46.3648, 45.4504, 100.9368
YIQ	178.1070, -42.0010, 17.7990

Conversions

Conversions Part 2

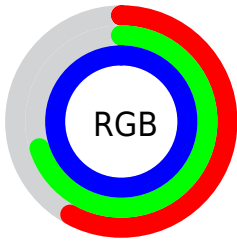
Format	Color
R_{YB}	149, 172, 255
Decimal	9810687
CIE _{Lab}	73.19, 9.17, -41.24
CIE _{LCh}	73, 42.247, 282.536
Yxy	45.4504, 0.2405, 0.2358
Android (android.graphics.Color)	4288000767 (0xFF95B2FF)
YUV	178.1070, 37.9082, -25.5268
Hunter-Lab	67.4169, 4.7807, -41.5773

Details

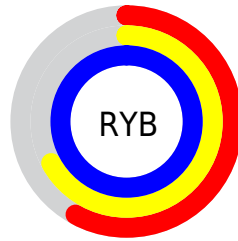
The XYZ color **46.3648, 45.4504, 100.9368** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **73.8619, 77.8235, 39.5641**, and the grayscale version is **42.1965, 44.3940, 48.3451**.

A 20% lighter version of the original color is **72.9264, 79.1874, 106.0488**, and **22.1681, 21.3261, 56.3740** is the 20% darker color. If you saturate the color by 10%, you get **38.7715, 36.4298, 99.5959**, and if you desaturate by 10%, it is **55.4771, 55.9946, 102.4918**.

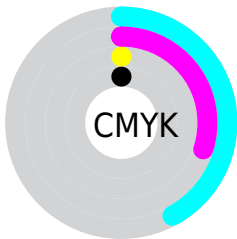
Distribution



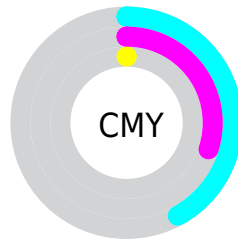
- Red (58%)
- Green (70%)
- Blue (100%)



- Red (58%)
- Yellow (67%)
- Blue (100%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)
- Black (0%)



- Cyan (42%)
- Magenta (30%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.3648, 45.4504, 100.9368 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 46.3648, 45.4504, 100.9368 by changing the saturation by 10% instead.

■ 46.3648, 45.4504,
100.9368

■ 46.3648, 45.4504,
100.9368

362.9647,
368.5946, 584.4643

■ 32.7396, 31.8123,
76.4619

■ 83.9892, 83.3959,
164.5071

■ 22.0853, 21.2182,
56.3024

■ 108.7192,
108.4721, 204.4395

■ 14.0366, 13.2836,
40.0398

137.8814,
138.1298, 250.3615

■ 8.2280, 7.6241,
27.2556

171.8413,
172.7534, 302.6916

■ 4.2942, 3.8554,
17.5311

210.9643,
212.7273, 361.8484

■ 1.8699, 1.5930,
10.4479

255.6156,

■ 0.5592, 0.3529,

258.4358, 428.2505

5.5875

306.1606,
310.2635, 502.3162

■ 0.0000, 0.0000,
2.5312

■ 0.0000, 0.0000,
0.8566

■ 46.3648, 45.4504,
100.9368

■ 46.3648, 45.4504,
100.9368

■ 38.7715, 36.4298,
99.5959

■ 55.4771, 55.9946,
102.4918

■ 32.6059, 28.8537,
98.4585

■ 66.1839, 68.1265,
104.2692

■ 27.7730, 22.6427,
97.5144

■ 78.5605, 81.9121,
106.2778

■ 24.1636, 17.7067,
96.7519

■ 92.6763, 97.4121,
108.5256

■ 21.6490, 13.9428,
96.1579

95.0500, 100.0000,
108.9000

■ 20.2254, 11.5709,
95.7751

Harmonies

Analogous

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



39.0644, 45.4504, 99.4838



46.3648, 45.4504, 100.9368



53.5607, 45.4504, 86.0381

Triad

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



46.3648, 45.4504, 100.9368



54.5664, 45.4504, 26.7173



30.9880, 45.4504, 38.2282

Complementary

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



46.3648, 45.4504, 100.9368



73.8619, 77.8235, 39.5641

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.



34.2684, 45.4504, 25.1064



46.3648, 45.4504, 100.9368



47.6160, 45.4504, 19.8855

Square

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



46.3648, 45.4504, 100.9368



58.6467, 45.4504, 41.1521



40.1812, 45.4504, 19.3952



30.7347, 45.4504, 58.8792

Rectangle

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



46.3648, 45.4504, 100.9368



57.1086, 45.4504, 70.7835



40.1812, 45.4504, 19.3952



31.7544, 45.4504, 32.9592

Sweetspot

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



46.3663, 45.4520, 100.9371



77.9889, 81.2799, 106.1859



61.7415, 83.3445, 84.0442



16.3281, 16.9933, 22.6694



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.



46.3663, 45.4520, 100.9371



39.8648, 37.7460, 99.7923



45.8048, 37.4836, 99.4286



17.4074, 18.1863, 22.8428



10.6740, 6.2575, 50.0798



1.1257, 0.7820, 4.9049

Inverse Universe

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



60.0243, 45.9708, 47.8308



55.4497, 39.1905, 39.0027



74.4750, 90.8516, 42.0465



18.2135, 18.0687, 19.7415



22.1759, 11.3597, 4.3109



2.2028, 1.1235, 0.6493

Previews

White Background



This preview shows how the XYZ color 46.3648, 45.4504, 100.9368 looks on a white background.

Color Contrast Check

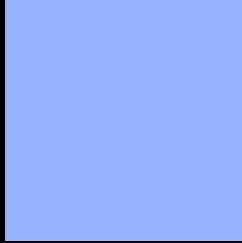
Large Text (above 18pt) WCAG AA × Fail

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 46.3648, 45.4504, 100.9368 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

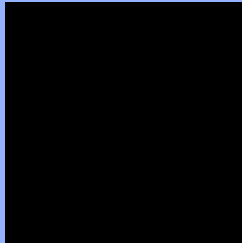
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.3648, 45.4504, 100.9368

Background



This preview shows how black text looks on a background with the XYZ color 46.3648, 45.4504, 100.9368.



This preview shows how white text looks on a background with the XYZ color 46.3648, 45.4504,

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

46.3648, 45.4504, 100.9368

Protanopia

47.1291, 45.5686, 100.0776

Deuteranopia

46.5346, 45.2436, 100.8880



Tritanopia

38.7544, 45.4291, 63.2260

Trichromacy



Original Color

46.3648, 45.4504, 100.9368

Protanomaly

46.7484, 45.3723, 100.0598

Deuteranomaly

46.3498, 45.1483, 100.8793

Tritanomaly

41.1405, 45.1304, 75.6499

Monochromacy



Original Color

46.3648, 45.4504, 100.9368

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

42.9973, 44.5125, 64.7181

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3648, 45.4504, 100.9368 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(149, 178, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 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(149, 178, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 178, 255) }
```

Border

The CSS property to change the border of an element to XYZ 46.3648, 45.4504, 100.9368 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(149, 178, 255) }
```


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

```
.border{ border-color:rgb(149, 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(149, 178, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(149, 178, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(149, 178, 255); box-shadow:4px 4px 4px 4px rgb(149, 178, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3648, 45.4504, 100.9368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 178, 255) }
```

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

```
.background{ background-color: rgb(149,  
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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