

Converting Colors

XYZ(47.9137, 45.2331,
100.8133)

Have a look what the booklet for
XYZ(47.9137, 45.2331, 100.8133)
contains.

XYZ(48.0779, 45.4570, 100.8478)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(48.0779, 45.4570,
100.8478)**

Conversions

Conversions Part 1

Format	Color
Hex	A1AFFF
RGB	161, 175, 255
RGB Percent	63%, 69%, 100%
CMY	0.3686, 0.3137, 0.0000
CMYK	0.37, 0.31, 0.00, 0.00
HSL	231°, 100%, 82%
HSV	231°, 37%, 100%
XYZ	48.0779, 45.4570, 100.8478
YIQ	179.9340, -34.0240, 21.9120

Conversions

Conversions Part 2

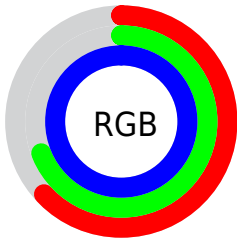
Format	Color
R_{YB}	161, 173, 255
Decimal	10596351
CIE _{Lab}	73.19, 13.94, -41.18
CIE _{LCh}	73, 43.471, 288.704
Yxy	45.4570, 0.2473, 0.2339
Android (android.graphics.Color)	4288786431 (0xFFA1AFFF)
YUV	179.9340, 37.0075, -16.6051
Hunter-Lab	67.4218, 9.2986, -41.4892

Details

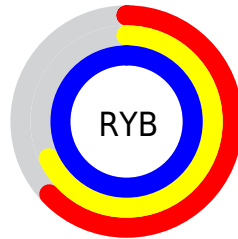
The XYZ color **48.0779, 45.4570, 100.8478** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.1290, 86.7445, 46.2929**, and the grayscale version is **43.1692, 45.4173, 49.4595**.

A 20% lighter version of the original color is **75.2603, 78.7191, 105.8354**, and **23.2199, 21.3073, 56.3150** is the 20% darker color. If you saturate the color by 10%, you get **39.5635, 35.2939, 99.3349**, and if you desaturate by 10%, it is **58.3218, 57.5212, 102.6365**.

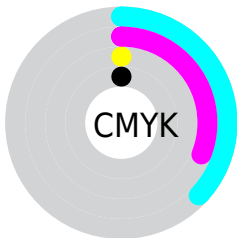
Distribution



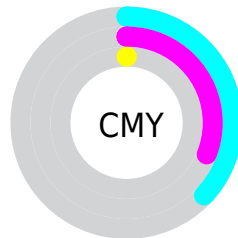
- Red (63%)
- Green (69%)
- Blue (100%)



- Red (63%)
- Yellow (68%)
- Blue (100%)



- Cyan (37%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (37%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.0779, 45.4570, 100.8478 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 48.0779, 45.4570, 100.8478 by changing the saturation by 10% instead.

■ 48.0779, 45.4570,
100.8478

■ 48.0779, 45.4570,
100.8478

369.6783,
368.6213, 584.1773

■ 34.1001, 31.8175,
76.3879

■ 86.5294, 83.4058,
164.3838

■ 23.1338, 21.2222,
56.2421

■ 111.7337,
108.4839, 204.2970

■ 14.8135, 13.2865,
39.9918

141.4110,
138.1436, 250.1984

■ 8.7741, 7.6261,
27.2184

175.9265,
172.7695, 302.5065

■ 4.6500, 3.8567,
17.5034

215.6457,
212.7457, 361.6400

■ 2.0761, 1.5937,
10.4283

260.9338,

■ 0.6762, 0.3534,

258.4569, 428.0172

5.5746

312.1562,
310.2873, 502.0568

■ 0.0000, 0.0000,
2.5236

■ 0.0000, 0.0000,
0.8526

■ 48.0779, 45.4570,
100.8478

■ 48.0779, 45.4570,
100.8478

■ 39.5635, 35.2939,
99.3349

■ 58.3218, 57.5212,
102.6365

■ 32.6779, 26.9291,
98.0833

■ 70.3798, 71.5721,
104.7131

■ 27.3162, 20.2577,
97.0781

■ 84.3360, 87.6963,
107.0898

■ 23.3596, 15.1613,
96.3030

95.0500, 100.0000,
108.9000

■ 20.6705, 11.5059,
95.7391

■ 19.0806, 9.1324,
95.3648

■ 18.7424, 8.6048,
95.2808

Harmonies

Analogous

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



40.3978, 45.4570, 103.1205



48.0779, 45.4570, 100.8478



55.1788, 45.4570, 82.6850

Triad

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



48.0779, 45.4570, 100.8478



53.6176, 45.4570, 24.1828



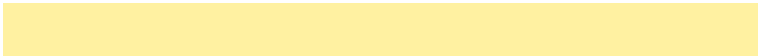
30.3680, 45.4570, 41.7199

Complementary

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



48.0779, 45.4570, 100.8478



79.1290, 86.7445, 46.2929

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.



33.1031, 45.4570, 26.6405



48.0779, 45.4570, 100.8478



46.1404, 45.4570, 18.6897

Square

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



48.0779, 45.4570, 100.8478



58.6276, 45.4570, 37.2181



38.6740, 45.4570, 19.4326



30.7571, 45.4570, 64.2122

Rectangle

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



48.0779, 45.4570, 100.8478



58.3501, 45.4570, 66.3582



38.6740, 45.4570, 19.4326



30.9382, 45.4570, 35.7620

Sweetspot

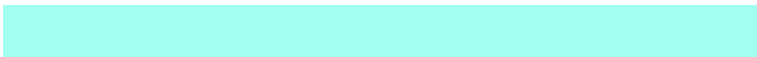
The Sweet Spot groups the original color and five complimentary colors.



48.0794, 45.4587, 100.8481



78.3244, 80.7660, 106.0690



66.3211, 85.4424, 96.1378



16.3587, 16.8183, 22.6340



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.



48.0794, 45.4587, 100.8481



41.8292, 38.0139, 99.7405



53.0188, 44.1676, 100.3386



17.2213, 17.8142, 22.7808



9.8583, 4.6262, 49.8079



1.0214, 0.5734, 4.8701

Inverse Universe

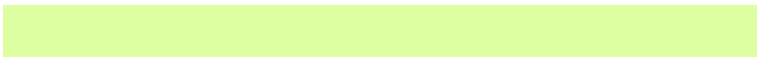
The Inverse Universe completely reimagines the original color for something new.



61.7238, 49.8464, 46.9272



57.3348, 43.3659, 38.3821



72.3487, 89.6390, 47.2090



18.1196, 18.0312, 19.2469



21.7642, 11.1950, 2.1429



2.1501, 1.1024, 0.3721

Previews

White Background



This preview shows how the XYZ color 48.0779, 45.4570, 100.8478 looks on a white background.

Color Contrast Check

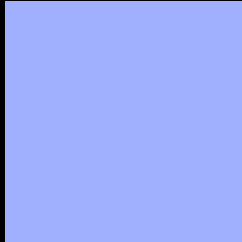
Large Text (above 18pt) WCAG AA × Fail

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 48.0779, 45.4570, 100.8478 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

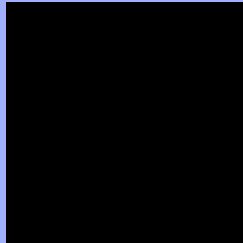
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.0779, 45.4570, 100.8478

Background



This preview shows how black text looks on a background with the XYZ color 48.0779, 45.4570, 100.8478.



This preview shows how white text looks on a background with the XYZ color 48.0779, 45.4570,

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

48.0779, 45.4570, 100.8478

Protanopia

47.2897, 45.6328, 100.9233

Deuteranopia

46.7587, 45.6719, 100.1171



Tritanopia

40.1970, 45.5838, 61.3235

Trichromacy



Original Color

48.0779, 45.4570, 100.8478

Protanomaly

47.4800, 45.4388, 100.8758

Deuteranomaly

47.1291, 45.5686, 100.0776

Tritanomaly

42.7831, 45.3955, 74.2174

Monochromacy



Original Color

48.0779, 45.4570, 100.8478

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.4165, 45.2300, 65.4208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0779, 45.4570, 100.8478 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, 175, 255)` looks like.

```
.text, #text, p{  
    color:rgb(161, 175, 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, 175, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 175, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.0779, 45.4570, 100.8478 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, 175, 255) }
```


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

```
.border{ border-color:rgb(161, 175, 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, 175, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 175, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 175, 255);  
box-shadow:4px 4px 4px 4px rgb(161, 175,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0779, 45.4570, 100.8478 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 175, 255) }
```

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

```
.background{ background-color: rgb(161,  
175, 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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