

Converting Colors

XYZ(66.6492, 53.2120,
196.7412)

Have a look what the booklet for
XYZ(66.6492, 53.2120, 196.7412)
contains.

| | |
|--|----|
| XYZ(48.4756, 45.9521, 100.9224) | 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(48.4756, 45.9521,
100.9224)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | A2B0FF |
| RGB | 162, 176, 255 |
| RGB Percent | 64%, 69%, 100% |
| CMY | 0.3647, 0.3098, 0.0000 |
| CMYK | 0.36, 0.31, 0.00, 0.00 |
| HSL | 231°, 100%, 82% |
| HSV | 231°, 36%, 100% |
| XYZ | 48.4756, 45.9521, 100.9224 |
| YIQ | 180.8200, -33.7030, 21.6010 |

Conversions

Conversions Part 2

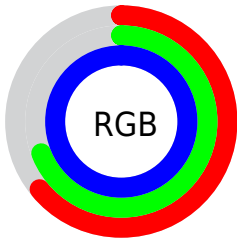
| Format | Color |
|-------------------------------------|---|
| RYB | 162, 174, 255 |
| Decimal | 10662143 |
| CIELab | 73.51, 13.64, -40.67 |
| CIELCh | 74, 42.895, 288.548 |
| Yxy | 45.9521, 0.2481, 0.2352 |
| Android (android.graphics.Color) | 4288852223 (0xFFA2B0FF) |
| YUV | 180.8200, 36.5707, -16.5051 |
| Hunter-Lab | 67.7880, 9.0175, -40.8191 |

Details

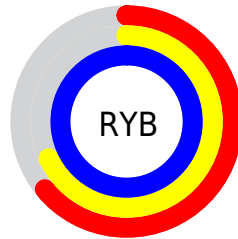
The XYZ color **48.4756, 45.9521, 100.9224** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **79.2173, 86.7796, 46.7591**, and the grayscale version is **43.6470, 45.9200, 50.0069**.

A 20% lighter version of the original color is **75.8393, 79.4319, 105.9425**, and **23.4641, 21.6183, 56.3621** is the 20% darker color. If you saturate the color by 10%, you get **39.8975, 35.7208, 99.3997**, and if you desaturate by 10%, it is **58.7845, 58.0835, 102.7207**.

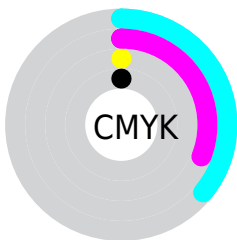
Distribution



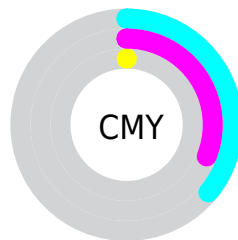
- Red (64%)
- Green (69%)
- Blue (100%)



- Red (64%)
- Yellow (68%)
- Blue (100%)



- Cyan (36%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (36%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4756, 45.9521, 100.9224 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 48.4756, 45.9521, 100.9224 by changing the saturation by 10% instead.

■ 48.4756, 45.9521,
100.9224

■ 48.4756, 45.9521,
100.9224

371.2255,
370.6160, 584.4179

■ 34.4165, 32.2080,
76.4499

■ 87.1175, 84.1473,
164.4871

■ 23.3781, 21.5204,
56.2927

■ 112.4310,
109.3672, 204.4164

■ 14.9952, 13.5050,
40.0320

142.2268,
139.1812, 250.3351

■ 8.9023, 7.7772,
27.2496

176.8700,
173.9737, 302.6617

■ 4.7341, 3.9527,
17.5266

216.7261,
214.1290, 361.8147

■ 2.1253, 1.6471,
10.4448

262.1605,

■ 0.7029, 0.3891,

260.0316, 428.2127

5.5854

313.5385,
312.0658, 502.2743

■ 0.0000, 0.0000,
2.5300

■ 0.0000, 0.0000,
0.8560

■ 48.4756, 45.9521,
100.9224

■ 48.4756, 45.9521,
100.9224

■ 39.8975, 35.7208,
99.3997

■ 58.7845, 58.0835,
102.7207

■ 32.9499, 27.2876,
98.1381

■ 70.9083, 72.1999,
104.8065

■ 27.5288, 20.5481,
97.1230

■ 84.9308, 88.3874,
107.1919

■ 23.5160, 15.3853,
96.3380

■ 95.0500, 100.0000,
108.9000

■ 20.7753, 11.6664,
95.7646

■ 19.1411, 9.2349,
95.3814

■ 18.7556, 8.6311,
95.2852

Harmonies

Analogous

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



40.8473, 45.9521, 103.0710



48.4756, 45.9521, 100.9224



55.5291, 45.9521, 83.0441

Triad

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



48.4756, 45.9521, 100.9224



54.0463, 45.9521, 24.8270



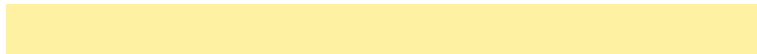
30.8984, 45.9521, 42.1997

Complementary

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



48.4756, 45.9521, 100.9224



79.2173, 86.7796, 46.7591

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.



33.6426, 45.9521, 27.1865



48.4756, 45.9521, 100.9224



46.6326, 45.9521, 19.2728

Square

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



48.4756, 45.9521, 100.9224



58.9930, 45.9521, 37.9021



39.2043, 45.9521, 19.9889



31.2703, 45.9521, 64.5125

Rectangle

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



48.4756, 45.9521, 100.9224



58.6850, 45.9521, 66.8947



39.2043, 45.9521, 19.9889



31.4728, 45.9521, 36.2751

Sweetspot

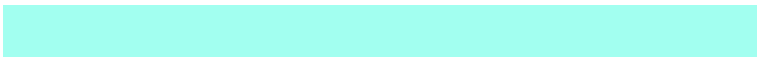
The Sweet Spot groups the original color and five complimentary colors.



48.4771, 45.9538, 100.9227



78.3370, 80.7913, 106.0732



66.3151, 85.4634, 95.0506



16.3617, 16.8243, 22.6350



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.



48.4771, 45.9538, 100.9227



41.8603, 38.0762, 99.7509



52.9640, 44.3998, 100.3863



17.2237, 17.8190, 22.7816



9.8658, 4.6411, 49.8104



1.0225, 0.5757, 4.8705

Inverse Universe

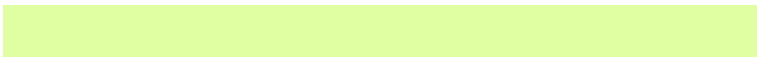
The Inverse Universe completely reimagines the original color for something new.



61.9978, 50.2367, 47.5051



57.3506, 43.3722, 38.4649



73.0228, 89.9763, 47.7026



18.1208, 18.0316, 19.2533



21.7680, 11.1965, 2.1627



2.1507, 1.1027, 0.3751

Previews

White Background



This preview shows how the XYZ color 48.4756, 45.9521, 100.9224 looks on a white background.

Color Contrast Check

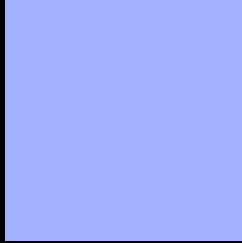
Large Text (above 18pt) WCAG AA × Fail

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 48.4756, 45.9521, 100.9224 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

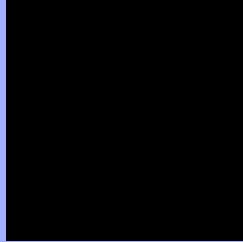
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4756, 45.9521, 100.9224

Background



This preview shows how black text looks on a background with the XYZ color 48.4756, 45.9521, 100.9224.



This preview shows how white text looks on a background with the XYZ color 48.4756, 45.9521,

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

48.4756, 45.9521, 100.9224

Protanopia

47.6807, 46.1287, 100.9984

Deuteranopia

47.1362, 45.8666, 100.1347



Tritanopia

40.4959, 45.7244, 61.9497

Trichromacy



Original Color

48.4756, 45.9521, 100.9224

Protanomaly

47.8727, 45.9334, 100.9506

Deuteranomaly

47.5162, 45.7681, 100.0957

Tritanomaly

43.1055, 45.5464, 74.9260

Monochromacy



Original Color

48.4756, 45.9521, 100.9224

Achromatopsia

43.9204, 46.2077, 50.3202

Achromatomaly

44.9608, 45.7929, 66.1437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4756, 45.9521, 100.9224 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(162, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(162, 176, 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(162, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.4756, 45.9521, 100.9224 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(162, 176, 255) }
```


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

```
.border{ border-color:rgb(162, 176, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 176, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 176, 255); box-shadow:4px 4px 4px 4px rgb(162, 176, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4756, 45.9521, 100.9224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 176, 255) }
```

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

```
.background{ background-color: rgb(162,  
176, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor