

Converting Colors

XYZ(47.9168, 45.4815,
102.5318)

Have a look what the booklet for
XYZ(47.9168, 45.4815, 102.5318)
contains.

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Color

**XYZ(47.6759, 45.5398,
100.8850)**

Conversions

Conversions Part 1

Format	Color
Hex	9EB0FF
RGB	158, 176, 255
RGB Percent	62%, 69%, 100%
CMY	0.3804, 0.3098, 0.0000
CMYK	0.38, 0.31, 0.00, 0.00
HSL	229°, 100%, 81%
HSV	229°, 38%, 100%
XYZ	47.6759, 45.5398, 100.8850
YIQ	179.6240, -36.0870, 20.7530

Conversions

Conversions Part 2

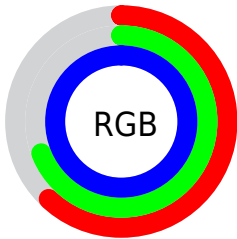
Format	Color
RYB	158, 173, 255
Decimal	10399999
CIELab	73.25, 12.59, -41.11
CIELCh	73, 42.991, 287.033
Yxy	45.5398, 0.2456, 0.2346
Android (android.graphics.Color)	4288590079 (0xFF9EB0FF)
YUV	179.6240, 37.1604, -18.9642
Hunter-Lab	67.4832, 8.0121, -41.3982

Details

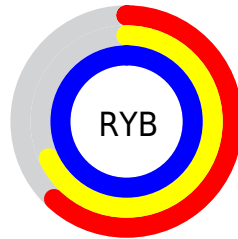
The XYZ color **47.6759, 45.5398, 100.8850** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **77.6964, 84.2978, 44.5257**, and the grayscale version is **43.0035, 45.2431, 49.2697**.

A 20% lighter version of the original color is **74.6502, 78.8189, 105.8868**, and **22.8802, 21.3173, 56.3348** is the 20% darker color. If you saturate the color by 10%, you get **39.4053, 35.6873, 99.4192**, and if you desaturate by 10%, it is **57.6130, 57.1779, 102.6077**.

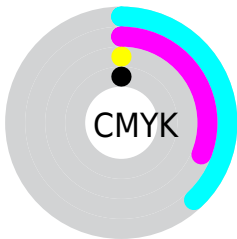
Distribution



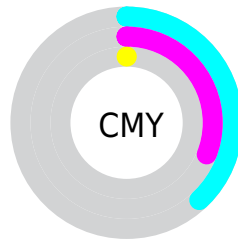
- Red (62%)
- Green (69%)
- Blue (100%)



- Red (62%)
- Yellow (68%)
- Blue (100%)



- Cyan (38%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)



- Cyan (38%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6759, 45.5398, 100.8850 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 47.6759, 45.5398, 100.8850 by changing the saturation by 10% instead.

■ 47.6759, 45.5398,
100.8850

■ 47.6759, 45.5398,
100.8850

368.1100,
368.9554, 584.2972

■ 33.7805, 31.8828,
76.4188

■ 85.9343, 83.5298,
164.4353

■ 22.8871, 21.2720,
56.2673

■ 111.0279,
108.6317, 204.3566

■ 14.6304, 13.3230,
40.0119

140.5851,
138.3173, 250.2666

■ 8.6450, 7.6513,
27.2339

174.9710,
172.9711, 302.5839

■ 4.5656, 3.8727,
17.5150

214.5511,
212.9774, 361.7271

■ 2.0268, 1.6026,
10.4365

259.6908,

■ 0.6490, 0.3593,

258.7206, 428.1147

5.5800

310.7553,
310.5851, 502.1652

■ 0.0000, 0.0000,
2.5268

■ 0.0000, 0.0000,
0.8543

■ 47.6759, 45.5398,
100.8850

■ 47.6759, 45.5398,
100.8850

■ 39.4053, 35.6873,
99.4192

■ 57.6130, 57.1779,
102.6077

■ 32.7037, 27.5256,
98.1970

■ 69.2978, 70.6802,
104.5980

■ 27.4701, 20.9585,
97.2053

■ 82.8116, 86.1262,
106.8671

■ 23.5894, 15.8774,
96.4291

95.0500, 100.0000,
108.9000

■ 20.9281, 12.1594,
95.8517

■ 19.3138, 9.6546,
95.4533

■ 19.0793, 9.2786,
95.3931

Harmonies

Analogous

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



40.1089, 45.5398, 102.1156



47.6759, 45.5398, 100.8850



54.7956, 45.5398, 83.6494

Triad

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



47.6759, 45.5398, 100.8850



53.9479, 45.5398, 24.9664



30.6264, 45.5398, 40.8317

Complementary

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



47.6759, 45.5398, 100.8850



77.6964, 84.2978, 44.5257

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.



33.5097, 45.5398, 26.3096



47.6759, 45.5398, 100.8850



46.6229, 45.5398, 19.1098

Square

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



47.6759, 45.5398, 100.8850



58.6953, 45.5398, 38.3798



39.1709, 45.5398, 19.5169



30.8385, 45.5398, 62.7832

Rectangle

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



47.6759, 45.5398, 100.8850



58.0681, 45.5398, 67.6347



39.1709, 45.5398, 19.5169



31.2502, 45.5398, 35.0716

Sweetspot

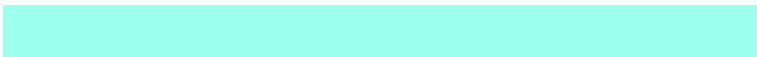
The Sweet Spot groups the original color and five complimentary colors.



47.6773, 45.5414, 100.8853



78.6131, 81.3433, 106.1652



64.9438, 84.8225, 92.0027



16.4269, 16.9548, 22.6568



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.



47.6773, 45.5414, 100.8853



40.9602, 37.5548, 99.6977



50.7963, 42.2530, 100.0861



17.2756, 17.9229, 22.7989



10.0470, 5.0037, 49.8708



1.0477, 0.6262, 4.8789

Inverse Universe

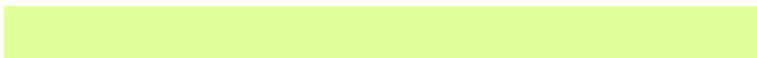
The Inverse Universe completely reimagines the original color for something new.



61.3044, 48.8499, 47.2738



56.5841, 41.8704, 38.1131



73.2650, 90.1416, 45.8873



18.1470, 18.0421, 19.3914



21.8595, 11.2331, 2.6445



2.1635, 1.1078, 0.4422

Previews

White Background



This preview shows how the XYZ color 47.6759, 45.5398, 100.8850 looks on a white background.

Color Contrast Check

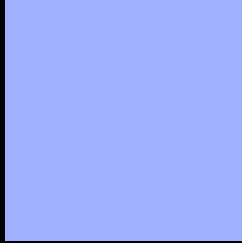
Large Text (above 18pt) WCAG AA × Fail

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 47.6759, 45.5398, 100.8850 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

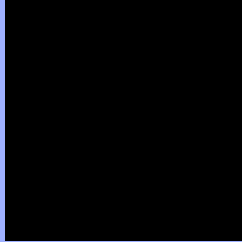
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6759, 45.5398, 100.8850

Background



This preview shows how black text looks on a background with the XYZ color 47.6759, 45.5398, 100.8850.



This preview shows how white text looks on a background with the XYZ color 47.6759, 45.5398,

100.8850.

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

47.6759, 45.5398, 100.8850

Protanopia

47.2897, 45.6328, 100.9233

Deuteranopia

46.9193, 45.7362, 100.9628



Tritanopia

39.7786, 45.3546, 61.9161

Trichromacy



Original Color

47.6759, 45.5398, 100.8850

Protanomaly

47.4824, 45.7322, 100.9323

Deuteranomaly

47.0986, 45.5343, 100.9144

Tritanomaly

42.3568, 45.1604, 74.8910

Monochromacy



Original Color

47.6759, 45.5398, 100.8850

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.3958, 45.5158, 65.4770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6759, 45.5398, 100.8850 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(158, 176, 255)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 176, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 176, 255) }
```

Border

The CSS property to change the border of an element to XYZ 47.6759, 45.5398, 100.8850 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(158, 176, 255) }
```


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

```
.border{ border-color:rgb(158, 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(158, 176, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 176, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 176, 255);  
box-shadow:4px 4px 4px 4px rgb(158, 176,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6759, 45.5398, 100.8850 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 176, 255) }
```

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

```
.background{ background-color: rgb(158,  
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](#).

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