

Converting Colors

XYZ(47.5058, 45.5462, 98.7573)

Have a look what the booklet for
XYZ(47.5058, 45.5462, 98.7573)
contains.

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Color

**XYZ(47.3941, 45.4499,
98.3702)**

Conversions

Conversions Part 1

Format	Color
Hex	9FB0FC
RGB	159, 176, 252
RGB Percent	62%, 69%, 99%
CMY	0.3765, 0.3098, 0.0118
CMYK	0.37, 0.30, 0.00, 0.01
HSL	229°, 94%, 81%
HSV	229°, 37%, 99%
XYZ	47.3941, 45.4499, 98.3702
YIQ	179.5810, -34.5280, 20.0320

Conversions

Conversions Part 2

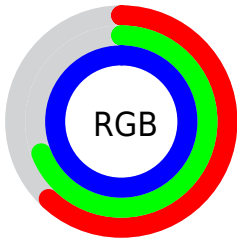
Format	Color
R _Y B	159, 173, 252
Decimal	10465532
CIE Lab	73.19, 12.06, -39.57
CIE LCh	73, 41.371, 286.952
Yxy	45.4499, 0.2479, 0.2377
Android (android.graphics.Color)	4288655612 (0xFF9FB0FC)
YUV	179.5810, 35.7026, -18.0495
Hunter-Lab	67.4165, 7.5073, -39.3209

Details

The XYZ color **47.3941, 45.4499, 98.3702** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **76.1124, 82.6166, 44.7378**, and the grayscale version is **42.9876, 45.2263, 49.2514**.

A 20% lighter version of the original color is **74.9448, 78.9708, 105.9006**, and **22.7669, 21.2985, 54.5408** is the 20% darker color. If you saturate the color by 10%, you get **39.1608, 35.6598, 96.9153**, and if you desaturate by 10%, it is **57.2618, 56.9936, 100.0791**.

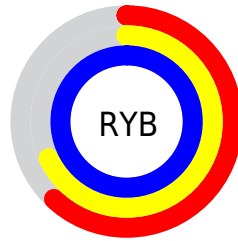
Distribution



Red (62%)

Green (69%)

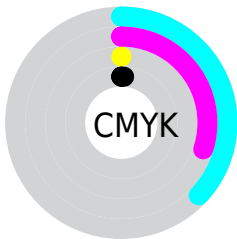
Blue (99%)



Red (62%)

Yellow (68%)

Blue (99%)

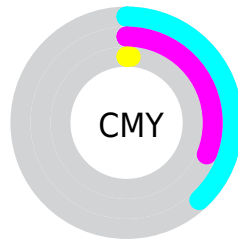


Cyan (37%)

Magenta (30%)

Yellow (0%)

Black (1%)



Cyan (38%)

Magenta (31%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.3941, 45.4499, 98.3702 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 47.3941, 45.4499, 98.3702 by changing the saturation by 10% instead.

■ 47.3941, 45.4499,
98.3702

■ 47.3941, 45.4499,
98.3702

367.0081,
368.5926, 576.1566

■ 33.5566, 31.8119,
74.3308

■ 85.5168, 83.3951,
160.9479

■ 22.7144, 21.2179,
54.5664

■ 110.5326,
108.4712, 200.3234

■ 14.5023, 13.2834,
38.6585

140.0052,
138.1287, 245.6480

■ 8.5549, 7.6240,
26.1883

174.3001,
172.7522, 297.3403

■ 4.5068, 3.8553,
16.7376

213.7824,
212.7259, 355.8187

■ 1.9926, 1.5929,
9.8876

258.8176,

■ 0.6298, 0.3528,

258.4343, 421.5019

5.2199

309.7711,
310.2617, 494.8083

■ 0.0000, 0.0000,
2.3158

■ 0.0000, 0.0000,
0.7401

■ 47.3941, 45.4499,
98.3702

■ 47.3941, 45.4499,
98.3702

■ 39.1608, 35.6598,
96.9153

■ 57.2618, 56.9936,
100.0791

■ 32.4672, 27.5311,
95.6991

■ 68.8419, 70.3667,
102.0500

■ 27.2163, 20.9706,
94.7095

■ 82.2131, 85.6468,
104.2946

■ 23.2974, 15.8735,
93.9322

94.5708, 99.8083,
106.3768

■ 20.5830, 12.1214,
93.3511

■ 18.9163, 9.5742,
92.9473

■ 18.5503, 8.9873,
92.8533

Harmonies

Analogous

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



40.1259, 45.4499, 99.4877



47.3941, 45.4499, 98.3702



54.2133, 45.4499, 82.0662

Triad

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



47.3941, 45.4499, 98.3702



53.4355, 45.4499, 25.6609



30.9868, 45.4499, 41.0061

Complementary

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



47.3941, 45.4499, 98.3702



76.1124, 82.6166, 44.7378

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.



33.7873, 45.4499, 26.9228



47.3941, 45.4499, 98.3702



46.4247, 45.4499, 19.8836

Square

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



47.3941, 45.4499, 98.3702



57.9599, 45.4499, 38.7310



39.2586, 45.4499, 20.2695



31.1842, 45.4499, 62.0705

Rectangle

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



47.3941, 45.4499, 98.3702



57.3450, 45.4499, 66.8298



39.2586, 45.4499, 20.2695



31.5942, 45.4499, 35.4389

Sweetspot

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



47.3957, 45.4516, 98.3713



78.5912, 81.2995, 106.1579



64.0980, 82.9881, 91.2005



16.4218, 16.9445, 22.6550



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.



47.3957, 45.4516, 98.3713



42.4953, 39.3462, 99.9626



50.8205, 42.5750, 97.6355



16.5396, 17.1561, 21.8250



9.7390, 4.8336, 48.3932



0.9695, 0.5827, 4.5046

Inverse Universe

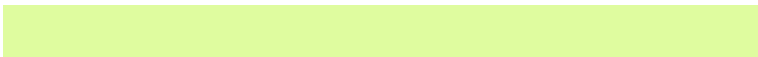
The Inverse Universe completely reimagines the original color for something new.



60.3809, 48.6280, 47.2797



57.6711, 43.5004, 40.1527



71.3626, 87.7417, 45.9774



17.3742, 17.2770, 18.5601



21.2078, 10.8988, 2.5368



1.9983, 1.0231, 0.4145

Previews

White Background



This preview shows how the XYZ color 47.3941, 45.4499, 98.3702 looks on a white background.

Color Contrast Check

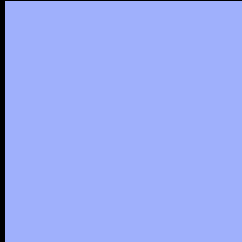
Large Text (above 18pt) WCAG AA × Fail

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 47.3941, 45.4499, 98.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

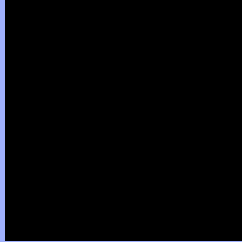
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.3941, 45.4499, 98.3702

Background



This preview shows how black text looks on a background with the XYZ color 47.3941, 45.4499, 98.3702.



This preview shows how white text looks on a background with the XYZ color 47.3941, 45.4499,

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

47.3941, 45.4499, 98.3702

Protanopia

47.1621, 45.6040, 99.2453

Deuteranopia

46.6193, 45.3426, 98.3904



Tritanopia

40.1341, 45.5379, 61.9327

Trichromacy



Original Color

47.3941, 45.4499, 98.3702

Protanomaly

47.3564, 45.7042, 99.2544

Deuteranomaly

47.0031, 45.5405, 98.4083

Tritanomaly

42.4087, 45.2025, 74.1999

Monochromacy



Original Color

47.3941, 45.4499, 98.3702

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.2739, 45.4671, 64.8351

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.3941, 45.4499, 98.3702 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(159, 176, 252)` looks like.

```
.text, #text, p{  
    color:rgb(159, 176, 252)  
}
```

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(159, 176, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 176, 252) }
```

Border

The CSS property to change the border of an element to XYZ 47.3941, 45.4499, 98.3702 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(159, 176, 252) }
```


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

```
.border{ border-color:rgb(159, 176, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 176, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 176, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 176, 252);  
box-shadow:4px 4px 4px 4px rgb(159, 176,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 47.3941, 45.4499, 98.3702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 176, 252) }
```

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

```
.background{ background-color: rgb(159,  
176, 252) }
```

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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