

Converting Colors

XYZ(46.9796, 45.1644, 98.2765)

Have a look what the booklet for
XYZ(46.9796, 45.1644, 98.2765)
contains.

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Color

**XYZ(47.0006, 45.2470,
98.3518)**

Conversions

Conversions Part 1

Format	Color
Hex	9DB0FC
RGB	157, 176, 252
RGB Percent	62%, 69%, 99%
CMY	0.3843, 0.3098, 0.0118
CMYK	0.38, 0.30, 0.00, 0.01
HSL	228°, 94%, 80%
HSV	228°, 38%, 99%
XYZ	47.0006, 45.2470, 98.3518
YIQ	178.9830, -35.7200, 19.6080

Conversions

Conversions Part 2

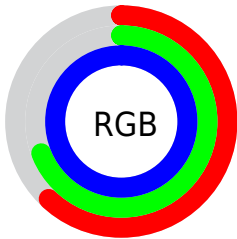
Format	Color
RYB	157, 173, 252
Decimal	10334460
CIELab	73.05, 11.53, -39.79
CIELCh	73, 41.429, 286.166
Yxy	45.2470, 0.2466, 0.2374
Android (android.graphics.Color)	4288524540 (0xFF9DB0FC)
YUV	178.9830, 35.9974, -19.2791
Hunter-Lab	67.2659, 7.0077, -39.6038

Details

The XYZ color **47.0006, 45.2470, 98.3518** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **75.3708, 81.4090, 43.6411**, and the grayscale version is **42.6679, 44.8900, 48.8852**.

A 20% lighter version of the original color is **74.3575, 78.6680, 105.8731**, and **22.5375, 21.1802, 54.5301** is the 20% darker color. If you saturate the color by 10%, you get **38.9180, 35.6423, 96.9247**, and if you desaturate by 10%, it is **56.6873, 56.5518, 100.0241**.

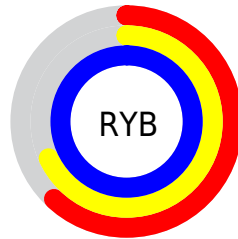
Distribution



Red (62%)

Green (69%)

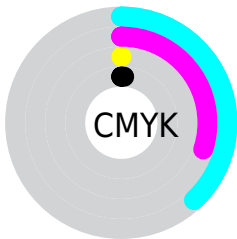
Blue (99%)



Red (62%)

Yellow (68%)

Blue (99%)

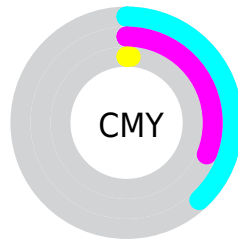


Cyan (38%)

Magenta (30%)

Yellow (0%)

Black (1%)



Cyan (38%)

Magenta (31%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.0006, 45.2470, 98.3518 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 47.0006, 45.2470, 98.3518 by changing the saturation by 10% instead.

■ 47.0006, 45.2470,
98.3518

■ 47.0006, 45.2470,
98.3518

365.4658,
367.7730, 576.0968

■ 33.2441, 31.6520,
74.3156

■ 84.9333, 83.0909,
160.9224

■ 22.4736, 21.0958,
54.5540

■ 109.8401,
108.1087, 200.2939

■ 14.3239, 13.1941,
38.6486

139.1944,
137.7028, 245.6141

■ 8.4295, 7.5623,
26.1807

173.3616,
172.2577, 297.3018

■ 4.4251, 3.8162,
16.7319

212.7070,
212.1578, 355.7753

■ 1.9453, 1.5713,
9.8836

257.5959,

■ 0.6030, 0.3381,

257.7874, 421.4533

5.2173

308.3937,
309.5310, 494.7543

■ 0.0000, 0.0000,
2.3143

■ 0.0000, 0.0000,
0.7392

■ 47.0006, 45.2470,
98.3518

■ 47.0006, 45.2470,
98.3518

■ 38.9180, 35.6423,
96.9247

■ 56.6873, 56.5518,
100.0241

■ 32.3463, 27.6487,
95.7282

■ 68.0549, 69.6296,
101.9493

■ 27.1894, 21.1765,
94.7507

■ 81.1809, 84.5552,
104.1384

■ 23.3381, 16.1248,
93.9786

94.5708, 99.8083,
106.3768

■ 20.6658, 12.3793,
93.3965

■ 19.0117, 9.8022,
92.9863

■ 18.7286, 9.3438,
92.9127

Harmonies

Analogous

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



39.7617, 45.2470, 99.0196



47.0006, 45.2470, 98.3518



53.8528, 45.2470, 82.3677

Triad

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



47.0006, 45.2470, 98.3518



53.3884, 45.2470, 25.7352



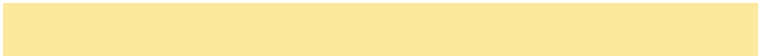
30.8526, 45.2470, 40.3331

Complementary

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



47.0006, 45.2470, 98.3518



75.3708, 81.4090, 43.6411

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.



33.7231, 45.2470, 26.4870



47.0006, 45.2470, 98.3518



46.4220, 45.2470, 19.8030

Square

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



47.0006, 45.2470, 98.3518



57.8141, 45.2470, 38.9761



39.2442, 45.2470, 20.0328



30.9704, 45.2470, 61.2248

Rectangle

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



47.0006, 45.2470, 98.3518



57.0419, 45.2470, 67.2014



39.2442, 45.2470, 20.0328



31.4848, 45.2470, 34.8450

Sweetspot

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



47.0022, 45.2487, 98.3529



78.7273, 81.5717, 106.2033



63.4243, 82.6732, 89.7067



16.4540, 17.0089, 22.6658



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.



47.0022, 45.2487, 98.3529



42.0401, 39.0825, 99.9357



49.7577, 41.5206, 97.4880



16.5641, 17.2050, 21.8332



9.8376, 5.0307, 48.4261



0.9821, 0.6079, 4.5087

Inverse Universe

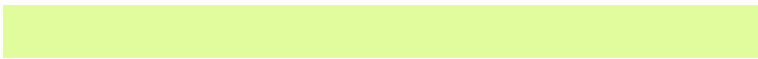
The Inverse Universe completely reimagines the original color for something new.



60.0397, 47.9456, 47.1659



57.2834, 42.7408, 39.9748



71.4832, 87.8237, 45.0842



17.3865, 17.2820, 18.6252



21.2576, 10.9188, 2.7989



2.0046, 1.0256, 0.4479

Previews

White Background



This preview shows how the XYZ color 47.0006, 45.2470, 98.3518 looks on a white background.

Color Contrast Check

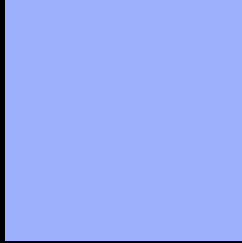
Large Text (above 18pt) WCAG AA × Fail

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 47.0006, 45.2470, 98.3518 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 47.0006, 45.2470, 98.3518

Background



This preview shows how black text looks on a background with the XYZ color 47.0006, 45.2470, 98.3518.



This preview shows how white text looks on a background with the XYZ color 47.0006, 45.2470,

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

47.0006, 45.2470, 98.3518

Protanopia

46.6136, 45.0475, 98.3337

Deuteranopia

46.4297, 45.2449, 98.3815



Tritanopia

39.7786, 45.3546, 61.9161

Trichromacy



Original Color

47.0006, 45.2470, 98.3518

Protanomaly

46.8063, 45.1469, 98.3427

Deuteranomaly

46.6193, 45.3426, 98.3904

Tritanomaly

42.0406, 45.0128, 74.1827

Monochromacy



Original Color

47.0006, 45.2470, 98.3518

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.8556, 44.9549, 64.7583

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0006, 45.2470, 98.3518 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(157, 176, 252)` looks like.

```
.text, #text, p{  
    color:rgb(157, 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(157, 176, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 176, 252) }
```

Border

The CSS property to change the border of an element to XYZ 47.0006, 45.2470, 98.3518 is called "border". The border property can be set on classes, ids or directly on the HTML element.

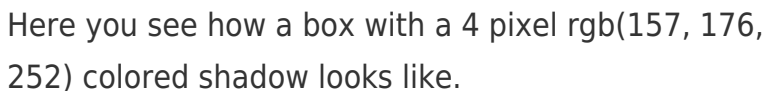
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 176, 252) }
```


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

```
.border{ border-color:rgb(157, 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(157, 176, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 176, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 176, 252); box-shadow:4px 4px 4px 4px rgb(157, 176, 252) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0006, 45.2470, 98.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 176, 252) }
```

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

```
.background{ background-color: rgb(157,  
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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