

Converting Colors

XYZ(48.0124, 38.8564, 99.5773)

Have a look what the booklet for
XYZ(48.0124, 38.8564, 99.5773)
contains.

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Color

**XYZ(48.0124, 38.8564,
99.5773)**

Conversions

Conversions Part 1

Format	Color
Hex	B596FF
RGB	181, 150, 255
RGB Percent	71%, 59%, 100%
CMY	0.2902, 0.4118, 0.0000
CMYK	0.29, 0.41, 0.00, 0.00
HSL	258°, 100%, 79%
HSV	258°, 41%, 100%
XYZ	48.0124, 38.8564, 99.5773
YIQ	171.2390, -15.2290, 39.2270

Conversions

Conversions Part 2

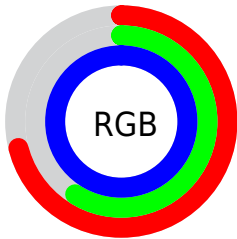
Format	Color
RYB	181, 150, 255
Decimal	11900671
CIELab	68.65, 33.35, -48.19
CIELCh	69, 58.602, 304.685
Yxy	38.8564, 0.2575, 0.2084
Android (android.graphics.Color)	4290090751 (0xFFB596FF)
YUV	171.2390, 41.2942, 8.5604
Hunter-Lab	62.3349, 28.4005, -51.0788

Details

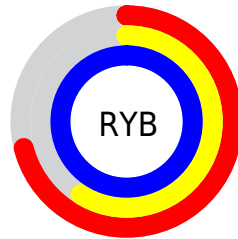
The XYZ color **48.0124, 38.8564, 99.5773** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **72.0056, 89.5693, 42.3489**, and the grayscale version is **38.6343, 40.6463, 44.2638**.

A 20% lighter version of the original color is **75.4779, 69.2334, 103.9930**, and **23.1123, 17.3609, 55.5589** is the 20% darker color. If you saturate the color by 10%, you get **40.4317, 29.5517, 98.1808**, and if you desaturate by 10%, it is **57.0245, 50.2148, 101.2946**.

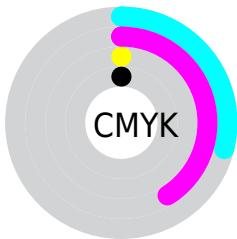
Distribution



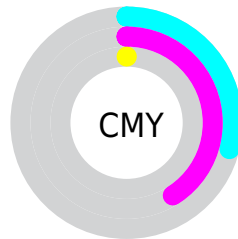
- Red (71%)
- Green (59%)
- Blue (100%)



- Red (71%)
- Yellow (59%)
- Blue (100%)



- Cyan (29%)
- Magenta (41%)
- Yellow (0%)
- Black (0%)




- Cyan (29%)
- Magenta (41%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0124, 38.8564, 99.5773 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 48.0124, 38.8564, 99.5773 by changing the saturation by 10% instead.


 48.0124, 38.8564,
99.5773


 48.0124, 38.8564,
99.5773


369.4230,
341.2796, 580.0717

 34.0480, 26.6480,
75.3327


 86.4324, 73.4189,
162.6230

 23.0935, 17.3091,
55.3821


 111.6188, 96.5418,
202.2611

 14.7837, 10.4551,
39.3070


141.2765,
124.0717, 247.8675

 8.7530, 5.7017,
26.6890

175.7710,
156.3930, 299.8606

 4.6363, 2.6646,
17.1094

215.4675,
193.8900, 358.6590

 2.0680, 0.9592,
10.1498

260.7314,

 0.6717, 0.0000,

236.9472, 424.6813

5.3915

311.9282,
285.9489, 498.3461

■ 0.0000, 0.0000,
2.4160

■ 0.0000, 0.0000,
0.7951

■ 48.0124, 38.8564,
99.5773

■ 48.0124, 38.8564,
99.5773

■ 40.4317, 29.5517,
98.1808

■ 57.0245, 50.2148,
101.2946

■ 34.2000, 22.1696,
97.0844

■ 67.5365, 63.7381,
103.3509

■ 29.2316, 16.5704,
96.2655

■ 79.6168, 79.5347,
105.7632

■ 25.4284, 12.5929,
95.6982

■ 93.3286, 97.7043,
108.5476

■ 22.6756, 10.0449,
95.3515

95.0500, 100.0000,
108.9000

■ 20.9743, 8.7275,
95.1869

Harmonies

Analogous

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



38.4044, 38.8564, 116.1431



48.0124, 38.8564, 99.5773



55.4672, 38.8564, 68.0568

Triad

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



48.0124, 38.8564, 99.5773



45.0758, 38.8564, 10.9365



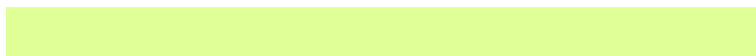
21.8834, 38.8564, 46.6084

Complementary

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



48.0124, 38.8564, 99.5773



72.0056, 89.5693, 42.3489

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.



23.0678, 38.8564, 24.0429



48.0124, 38.8564, 99.5773



35.4974, 38.8564, 9.1294

Square

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



48.0124, 38.8564, 99.5773



53.5829, 38.8564, 19.4280



27.7025, 38.8564, 12.7141



24.1462, 38.8564, 78.4421

Rectangle

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



48.0124, 38.8564, 99.5773



57.6358, 38.8564, 47.2071



27.7025, 38.8564, 12.7141



21.8954, 38.8564, 37.7602

Sweetspot

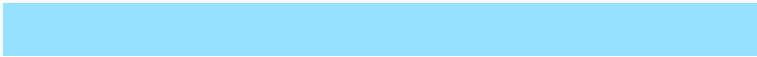
The Sweet Spot groups the original color and five complimentary colors.



48.0137, 38.8578, 99.5775



78.5597, 78.1435, 105.5504



57.6213, 67.6905, 104.6363



16.4614, 16.2613, 22.5211



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.



48.0137, 38.8578, 99.5775



41.9633, 31.4077, 98.4583



62.3170, 46.2314, 100.2468



17.5070, 17.6376, 22.7316



11.0886, 4.6269, 49.7432



1.1834, 0.5040, 4.8482

Inverse Universe

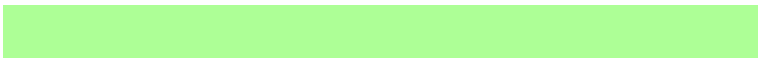
The Inverse Universe completely reimagines the original color for something new.



65.6013, 48.4554, 76.4159



61.8984, 42.3062, 71.3076



58.4441, 82.5781, 41.7143



18.5507, 18.2036, 21.5171



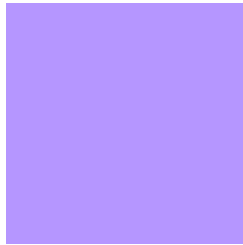
25.9067, 12.8520, 23.9570



2.5704, 1.2705, 2.5851

Previews

White Background



This preview shows how the XYZ color 48.0124, 38.8564, 99.5773 looks on a white background.

Color Contrast Check

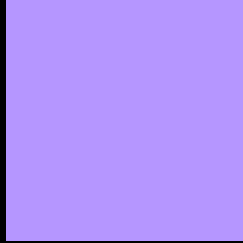
Large Text (above 18pt) WCAG AA × Fail

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 48.0124, 38.8564, 99.5773 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 48.0124, 38.8564, 99.5773

Background



This preview shows how black text looks on a background with the XYZ color 48.0124, 38.8564, 99.5773.



This preview shows how white text looks on a background with the XYZ color 48.0124, 38.8564,

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

48.0124, 38.8564, 99.5773

Protanopia

41.4968, 39.2812, 100.0026

Deuteranopia

40.4427, 39.3328, 97.5559



Tritanopia

37.6003, 38.6747, 48.6632

Trichromacy



Original Color

48.0124, 38.8564, 99.5773

Protanomaly

43.5697, 39.0370, 99.8463

Deuteranomaly

42.6872, 38.8775, 98.1828

Tritanomaly

40.6279, 38.3045, 64.2837

Monochromacy



Original Color

48.0124, 38.8564, 99.5773

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

41.4371, 39.5726, 61.3314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0124, 38.8564, 99.5773 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(181, 150, 255)` looks like.

```
.text, #text, p{  
    color:rgb(181, 150, 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(181, 150, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 150, 255) }
```

Border

The CSS property to change the border of an element to XYZ 48.0124, 38.8564, 99.5773 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(181, 150, 255) }
```


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

```
.border{ border-color:rgb(181, 150, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 150, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 150, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 150, 255);  
box-shadow:4px 4px 4px 4px rgb(181, 150,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0124, 38.8564, 99.5773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 150, 255) }
```

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

```
.background{ background-color: rgb(181,  
150, 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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