

Converting Colors

XYZ(49.7275, 38.6374, 96.9321)

Have a look what the booklet for
XYZ(49.7275, 38.6374, 96.9321)
contains.

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Color

**XYZ(49.6884, 38.6165,
96.9303)**

Conversions

Conversions Part 1

Format	Color
Hex	C191FC
RGB	193, 145, 252
RGB Percent	76%, 57%, 99%
CMY	0.2431, 0.4314, 0.0118
CMYK	0.23, 0.42, 0.00, 0.01
HSL	267°, 95%, 78%
HSV	267°, 42%, 99%
XYZ	49.6884, 38.6165, 96.9303
YIQ	171.5500, -5.7390, 43.4530

Conversions

Conversions Part 2

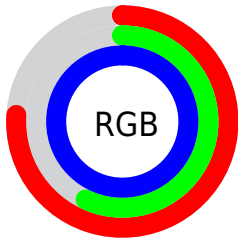
Format	Color
R_{YB}	193, 145, 252
Decimal	12685820
CIE _{Lab}	68.47, 38.68, -46.75
CIE _{LCh}	68, 60.681, 309.602
Yxy	38.6165, 0.2682, 0.2085
Android (android.graphics.Color)	4290875900 (0xFFC191FC)
YUV	171.5500, 39.6618, 18.8116
Hunter-Lab	62.1422, 33.9784, -48.9819

Details

The XYZ color **49.6884, 38.6165, 96.9303** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **64.8239, 84.5033, 39.6836**, and the grayscale version is **38.7951, 40.8155, 44.4481**.

A 20% lighter version of the original color is **78.4879, 69.0378, 103.7966**, and **24.0812, 17.0872, 53.6587** is the 20% darker color. If you saturate the color by 10%, you get **42.8790, 30.0106, 95.6287**, and if you desaturate by 10%, it is **57.6874, 49.1049, 98.5338**.

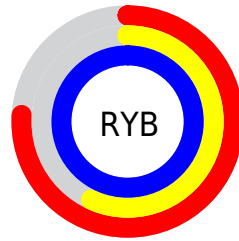
Distribution



Red (76%)

Green (57%)

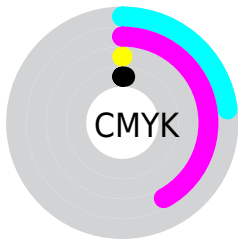
Blue (99%)



Red (76%)

Yellow (57%)

Blue (99%)

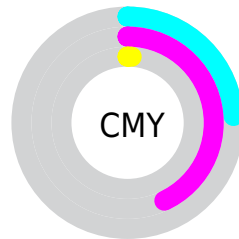


Cyan (23%)

Magenta (42%)

Yellow (0%)

Black (1%)



Cyan (24%)


Magenta (43%)


Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6884, 38.6165, 96.9303 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 49.6884, 38.6165, 96.9303 by changing the saturation by 10% instead.


 49.6884, 38.6165,
96.9303


 49.6884, 38.6165,
96.9303


375.9183,
340.2573, 571.4678

 35.3827, 26.4615,
73.1369


 88.9076, 73.0521,
158.9472

 24.1257, 17.1692,
53.5954


 114.5518, 96.1015,
198.0077

 15.5521, 10.3552,
37.8873


144.7062,
123.5512, 242.9943

 9.2966, 5.6351,
25.5941

179.7361,
155.7855, 294.3255

 4.9938, 2.6245,
16.2972

220.0069,
193.1889, 352.4199

 2.2784, 0.9390,
9.5781

265.8840,

 0.7836, 0.0000,

236.1457, 417.6961

5.0182

317.7327,
285.0403, 490.5725

■ 0.0000, 0.0000,
2.1990

■ 0.0000, 0.0000,
0.6738

■ 49.6884, 38.6165,
96.9303

■ 49.6884, 38.6165,
96.9303

■ 42.8790, 30.0106,
95.6287

■ 57.6874, 49.1049,
98.5338

■ 37.1887, 23.1636,
94.6071

■ 66.9324, 61.5794,
100.4544

■ 32.5453, 17.9441,
93.8443

■ 77.4810, 76.1414,
102.7092

■ 28.8650, 14.1990,
93.3154

■ 89.3856, 92.8839,
105.3134

■ 26.0477, 11.7441,
92.9901

94.5708, 99.8083,
106.3766

■ 24.3871, 10.5423,
92.8456

Harmonies

Analogous

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



39.8508, 38.6165, 118.0686



49.6884, 38.6165, 96.9303



56.7307, 38.6165, 63.1530

Triad

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



49.6884, 38.6165, 96.9303



43.4785, 38.6165, 9.5196



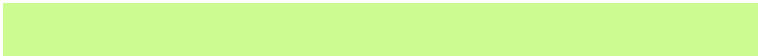
21.4204, 38.6165, 51.4368

Complementary

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



49.6884, 38.6165, 96.9303



64.8239, 84.5033, 39.6836

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.



22.0505, 38.6165, 26.2606



49.6884, 38.6165, 96.9303



33.7271, 38.6165, 8.6002

Square

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



49.6884, 38.6165, 96.9303



52.7362, 38.6165, 16.6551



26.2047, 38.6165, 13.1616



24.3026, 38.6165, 85.2340

Rectangle

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



49.6884, 38.6165, 96.9303



58.2823, 38.6165, 42.4127



26.2047, 38.6165, 13.1616



21.2417, 38.6165, 41.6830

Sweetspot

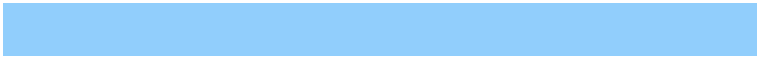
The Sweet Spot groups the original color and five complimentary colors.



49.6898, 38.6180, 96.9312



78.9635, 77.3395, 105.3739



51.2321, 57.0156, 100.4010



16.3675, 15.8119, 22.4393



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.



49.6898, 38.6180, 96.9312



44.9750, 31.9776, 98.4096



65.3068, 46.6688, 97.6620



17.0224, 17.0242, 21.7741



12.8675, 5.5761, 48.3717



1.3118, 0.5783, 4.4857

Inverse Universe

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



61.1703, 45.3071, 62.6486



58.6063, 39.9302, 57.2370



52.8962, 78.3543, 39.1254



17.6452, 17.3854, 19.9872



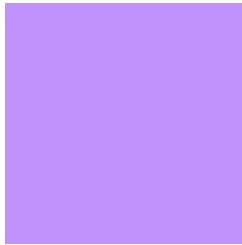
23.4131, 11.7809, 14.1495



2.2219, 1.1125, 1.5918

Previews

White Background



This preview shows how the XYZ color 49.6884, 38.6165, 96.9303 looks on a white background.

Color Contrast Check

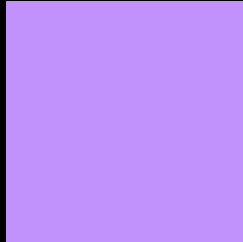
Large Text (above 18pt) WCAG AA × Fail

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 49.6884, 38.6165, 96.9303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

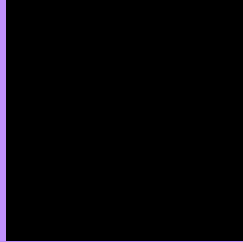
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.6884, 38.6165, 96.9303

Background



This preview shows how black text looks on a background with the XYZ color 49.6884, 38.6165, 96.9303.



This preview shows how white text looks on a background with the XYZ color 49.6884, 38.6165,

96.9303.

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

49.6884, 38.6165, 96.9303

Protanopia

41.1570, 38.8393, 99.9353

Deuteranopia

40.0952, 38.9553, 94.2128



Tritanopia

39.2486, 38.5195, 45.9238

Trichromacy



Original Color

49.6884, 38.6165, 96.9303

Protanomaly

43.4639, 38.2383, 98.8559

Deuteranomaly

42.6522, 38.1633, 94.7408

Tritanomaly

42.4351, 38.2791, 61.6519

Monochromacy



Original Color

49.6884, 38.6165, 96.9303

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

42.2853, 39.7610, 60.7043

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6884, 38.6165, 96.9303 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(193, 145, 252)` looks like.

```
.text, #text, p{  
    color:rgb(193, 145, 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(193, 145, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 145, 252) }
```

Border

The CSS property to change the border of an element to XYZ 49.6884, 38.6165, 96.9303 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(193, 145, 252) }
```


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

```
.border{ border-color:rgb(193, 145, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 145, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 145, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 145, 252);  
box-shadow:4px 4px 4px 4px rgb(193, 145,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6884, 38.6165, 96.9303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 145, 252) }
```

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

```
.background{ background-color: rgb(193,  
145, 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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