

Converting Colors

XYZ(49.4771, 38.2211, 65.4256)

Have a look what the booklet for
XYZ(49.4771, 38.2211, 65.4256)
contains.

XYZ(49.4766, 38.3018, 65.7581)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(49.4766, 38.3018,
65.7581)**

Conversions

Conversions Part 1

Format	Color
Hex	D88DD2
RGB	216, 141, 210
RGB Percent	85%, 55%, 82%
CMY	0.1529, 0.4470, 0.1765
CMYK	0.00, 0.35, 0.03, 0.15
HSL	305°, 49%, 70%
HSV	305°, 35%, 85%
XYZ	49.4766, 38.3018, 65.7581
YIQ	171.2910, 22.5510, 37.3590

Conversions

Conversions Part 2

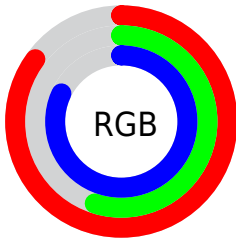
Format	Color
R_{YB}	216, 141, 210
Decimal	14192082
CIE _{Lab}	68.24, 39.10, -23.81
CIE _{LCh}	68, 45.778, 328.662
Yxy	38.3018, 0.3222, 0.2495
Android (android.graphics.Color)	4292382162 (0xFFD88DD2)
YUV	171.2910, 19.0835, 39.2098
Hunter-Lab	61.8884, 34.3967, -19.6753

Details

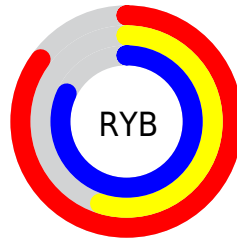
The XYZ color **49.4766, 38.3018, 65.7581** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.8084, 56.8822, 36.4344**, and the grayscale version is **38.7551, 40.7734, 44.4022**.

A 20% lighter version of the original color is **79.0299, 67.9599, 103.5600**, and **23.9860, 16.9849, 33.0246** is the 20% darker color. If you saturate the color by 10%, you get **46.3831, 32.4568, 63.6707**, and if you desaturate by 10%, it is **53.1959, 45.3933, 68.0664**.

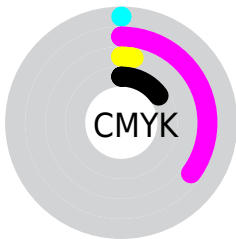
Distribution



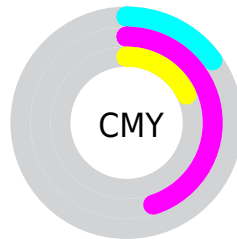
- Red (85%)
- Green (55%)
- Blue (82%)



- Red (85%)
- Yellow (55%)
- Blue (82%)



- Cyan (0%)
- Magenta (35%)
- Yellow (3%)
- Black (15%)





- Cyan (15%)
- Magenta (45%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4766, 38.3018, 65.7581 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 49.4766, 38.3018, 65.7581 by changing the saturation by 10% instead.


 49.4766, 38.3018,
65.7581


 49.4766, 38.3018,
65.7581


375.1015,
338.9128, 463.8918


 35.2138, 26.2170,
47.6208


 88.5954, 72.5705,
114.7628

 23.9949, 16.9861,
33.1688


 114.1820, 95.5232,
146.4672

 15.4545, 10.2246,
21.9837


 144.2740,
122.8673, 183.5312

 9.2274, 5.5481,
13.6467

179.2367,
154.9872, 226.3731

 4.9481, 2.5723,
7.7394

219.4355,
192.2673, 275.4116

 2.2513, 0.9128,
3.8433

265.2356,

 0.7696, 0.0000,

235.0920, 331.0652

1.5398

317.0025,
283.8457, 393.7524

■ 0.0000, 0.0000,
0.2473

■ 0.0000, 0.0000,
0.0000

■ 49.4766, 38.3018,
65.7581

■ 49.4766, 38.3018,
65.7581

■ 46.3831, 32.4568,
63.6707

■ 53.1959, 45.3933,
68.0664

■ 43.8755, 27.7807,
61.7897

■ 57.5708, 53.7927,
70.6042

■ 41.9151, 24.1951,
60.1024

■ 62.6333, 63.5639,
73.3829

■ 40.4567, 21.6101,
58.5939

■ 68.4125, 74.7646,
76.4120

39.4483, 19.9211,
57.2467

74.9357, 87.4495,
79.7007

38.8260, 19.0008,
56.0395

77.0466, 91.3060,
81.5303

38.5955, 18.7096,
55.4393

77.2772, 91.3983,
82.7449

77.5102, 91.4915,
83.9719

77.7456, 91.5857,
85.2115

Harmonies

Analogous

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



43.4162, 38.3018, 86.7564



49.4766, 38.3018, 65.7581



51.9776, 38.3018, 42.6318

Triad

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



49.4766, 38.3018, 65.7581



36.7272, 38.3018, 13.3991



25.6103, 38.3018, 63.6210

Complementary

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



49.4766, 38.3018, 65.7581



40.8084, 56.8822, 36.4344

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.



24.3017, 38.3018, 40.7901



49.4766, 38.3018, 65.7581



30.1919, 38.3018, 15.7903

Square

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



49.4766, 38.3018, 65.7581



44.0455, 38.3018, 16.2771



25.8655, 38.3018, 24.3737



29.7030, 38.3018, 85.2644

Rectangle

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



49.4766, 38.3018, 65.7581



51.0698, 38.3018, 30.3161



25.8655, 38.3018, 24.3737



24.8559, 38.3018, 55.6373

Sweetspot

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



49.4778, 38.3035, 65.7589



87.1211, 84.6650, 104.6452



33.7753, 30.1206, 69.0002



18.4270, 17.6965, 22.2767



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.



49.4778, 38.3035, 65.7589



68.5151, 49.0888, 93.4001



45.4365, 36.6870, 44.4775



12.9082, 12.6148, 15.4566



22.8632, 11.0816, 32.9132



1.3920, 0.6736, 2.0536

Inverse Universe

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



49.4778, 38.3035, 65.7589



68.5151, 49.0888, 93.4001



44.1412, 58.2154, 53.9848



12.9082, 12.6148, 15.4566



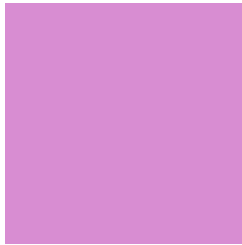
22.8632, 11.0816, 32.9132



1.3920, 0.6736, 2.0536

Previews

White Background



This preview shows how the XYZ color 49.4766, 38.3018, 65.7581 looks on a white background.

Color Contrast Check

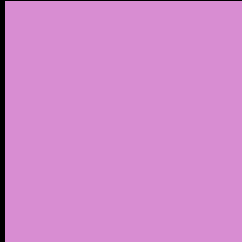
Large Text (above 18pt) WCAG AA × Fail

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 49.4766, 38.3018, 65.7581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

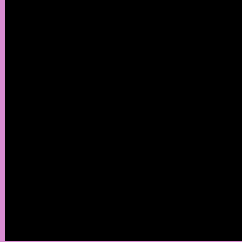
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4766, 38.3018, 65.7581

Background



This preview shows how black text looks on a background with the XYZ color 49.4766, 38.3018, 65.7581.



This preview shows how white text looks on a background with the XYZ color 49.4766, 38.3018,

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

49.4766, 38.3018, 65.7581

Protanopia

39.5330, 38.7522, 78.0694

Deuteranopia

39.3420, 38.4371, 63.7381



Tritanopia

44.1665, 38.4435, 39.2749

Trichromacy



Original Color

49.4766, 38.3018, 65.7581



Protanomaly

42.1732, 37.8816, 73.4957



Deuteranomaly

42.2752, 37.8928, 64.1174



Tritanomaly

45.7218, 38.1192, 47.5958

Monochromacy



Original Color

49.4766, 38.3018, 65.7581



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

41.8213, 39.2092, 51.2629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4766, 38.3018, 65.7581 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(216, 141, 210)` looks like.

```
.text, #text, p{  
    color:rgb(216, 141, 210)  
}
```

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(216, 141, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 141, 210) }
```

Border

The CSS property to change the border of an element to XYZ 49.4766, 38.3018, 65.7581 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(216, 141, 210) }
```


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

```
.border{ border-color:rgb(216, 141, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 141, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 141, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 141, 210);  
box-shadow:4px 4px 4px 4px rgb(216, 141,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4766, 38.3018, 65.7581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 141, 210) }
```

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

```
.background{ background-color: rgb(216,  
141, 210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor