

Converting Colors

XYZ(49.9013, 34.8631, 85.0964)

Have a look what the booklet for
XYZ(49.9013, 34.8631, 85.0964)
contains.

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Color

**XYZ(49.9176, 34.8373,
84.9822)**

Conversions

Conversions Part 1

Format	Color
Hex	D47DEE
RGB	212, 125, 238
RGB Percent	83%, 49%, 93%
CMY	0.1686, 0.5098, 0.0667
CMYK	0.11, 0.47, 0.00, 0.07
HSL	286°, 77%, 71%
HSV	286°, 47%, 93%
XYZ	49.9176, 34.8373, 84.9822
YIQ	163.8950, 15.5790, 53.5870

Conversions

Conversions Part 2

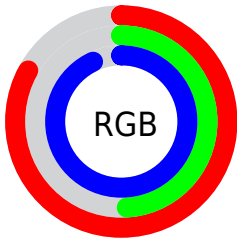
Format	Color
R _Y B	212, 125, 238
Decimal	13925870
CIE Lab	65.62, 51.59, -43.41
CIE LCh	66, 67.425, 319.917
Yxy	34.8373, 0.2941, 0.2052
Android (android.graphics.Color)	4292115950 (0xFFD47DEE)
YUV	163.8950, 36.5338, 42.1881
Hunter-Lab	59.0231, 47.6722, -44.0502

Details

The XYZ color **49.9176, 34.8373, 84.9822** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **47.0397, 69.2098, 30.2831**, and the grayscale version is **35.0645, 36.8906, 40.1739**.

A 20% lighter version of the original color is **75.6113, 61.1225, 102.4204**, and **24.2784, 14.9807, 45.8679** is the 20% darker color. If you saturate the color by 10%, you get **45.7062, 28.7174, 84.0234**, and if you desaturate by 10%, it is **54.9068, 42.4312, 86.1856**.

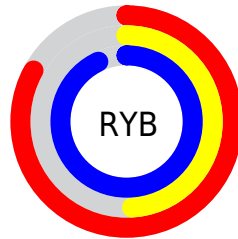
Distribution



Red (83%)

Green (49%)

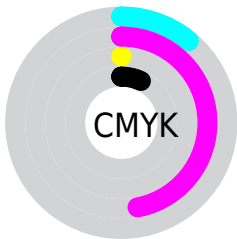
Blue (93%)



Red (83%)

Yellow (49%)

Blue (93%)

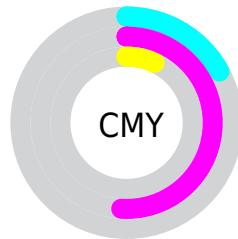


Cyan (11%)

Magenta (47%)

Yellow (0%)

Black (7%)



Cyan (17%)


Magenta (51%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9176, 34.8373, 84.9822 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 49.9176, 34.8373, 84.9822 by changing the saturation by 10% instead.


 49.9176, 34.8373,
84.9822


 49.9176, 34.8373,
84.9822

376.8009,
323.8496, 531.7122


 35.5655, 23.5376,
63.2766


 89.2453, 67.2336,
142.2222

 24.2673, 14.9909,
45.6226

 114.9516, 89.0990,
178.5938

 15.6579, 8.8130,
31.6016


 145.1734,
115.2551, 220.6911

 9.3717, 4.6194,
20.7951

180.2759,
146.0863, 268.9326

 5.0434, 2.0257,
12.7845

220.6245,
181.9769, 323.7369

 2.3078, 0.6224,
7.1513

266.5847,

 0.7986, 0.0000,

223.3114, 385.5226

3.4771

318.5217,
270.4742, 454.7082

■ 0.0000, 0.0000,
1.3431

■ 0.0000, 0.0000,
0.0967

■ 49.9176, 34.8373,
84.9822

■ 49.9176, 34.8373,
84.9822

■ 45.7062, 28.7174,
84.0234

■ 54.9068, 42.4312,
86.1856

■ 42.2158, 23.9620,
83.2895


■ 60.7178, 51.5894,
87.6470


■ 39.3878, 20.4535,
82.7614


■ 67.3955, 62.4001,
89.3817


■ 37.1518, 18.0515,
82.4156


■ 74.9805, 74.9435,
91.4031


 35.4144, 16.5708,
82.2213

 83.5105, 89.2945,
93.7235

 35.0185, 16.2699,
82.1841

 88.7994, 97.0800,
94.9475

 90.7369, 98.0788,
95.0382

 92.4327, 98.9531,
95.1175

Harmonies

Analogous

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



40.0296, 34.8373, 115.7500



49.9176, 34.8373, 84.9822



55.6141, 34.8373, 48.3004

Triad

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



49.9176, 34.8373, 84.9822



36.5579, 34.8373, 5.5925



18.2445, 34.8373, 59.7012

Complementary

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



49.9176, 34.8373, 84.9822



47.0397, 69.2098, 30.2831

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.



17.6827, 34.8373, 29.1648



49.9176, 34.8373, 84.9822



27.0408, 34.8373, 6.2951

Square

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



49.9176, 34.8373, 84.9822



46.9448, 34.8373, 9.6402



20.5776, 34.8373, 12.5423



22.3042, 34.8373, 96.8070

Rectangle

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



49.9176, 34.8373, 84.9822



55.6276, 34.8373, 29.2957



20.5776, 34.8373, 12.5423



17.6764, 34.8373, 48.1176

Sweetspot

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



49.9189, 34.8388, 84.9830



81.7422, 77.7750, 105.3115



35.0171, 32.7859, 85.3721



17.0983, 15.9925, 22.4356



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.



49.9189, 34.8388, 84.9830



53.5771, 33.7563, 98.2995



53.9632, 37.3932, 63.9630



16.0779, 15.8374, 19.9311



19.6551, 9.1380, 45.8557



1.7206, 0.8043, 3.8188

Inverse Universe

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



48.1804, 35.0800, 33.5111



51.7432, 34.3225, 29.9211



44.9607, 67.8809, 41.8032



15.9218, 15.8184, 17.1443



20.0938, 10.3099, 3.1443



1.7085, 0.8725, 0.4560

Previews

White Background



This preview shows how the XYZ color 49.9176, 34.8373, 84.9822 looks on a white background.

Color Contrast Check

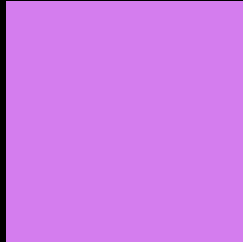
Large Text (above 18pt) WCAG AA × Fail

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 49.9176, 34.8373, 84.9822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

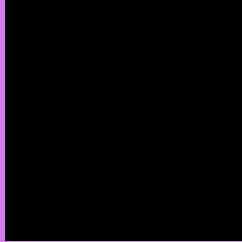
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9176, 34.8373, 84.9822

Background



This preview shows how black text looks on a background with the XYZ color 49.9176, 34.8373, 84.9822.

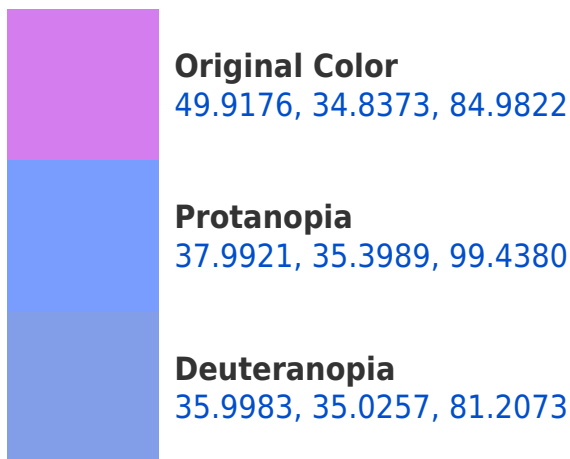


This preview shows how white text looks on a background with the XYZ color 49.9176, 34.8373, 84.9822.

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





Tritanopia

39.7091, 34.5924, 35.5945

Trichromacy



Original Color

49.9176, 34.8373, 84.9822



Protanomaly

40.5507, 33.9604, 94.0403



Deuteranomaly

39.6274, 33.9719, 82.3105



Tritanomaly

42.6045, 34.2315, 50.2608

Monochromacy



Original Color

49.9176, 34.8373, 84.9822



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

39.3664, 35.3980, 54.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9176, 34.8373, 84.9822 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(212, 125, 238)` looks like.

```
.text, #text, p{  
    color:rgb(212, 125, 238)  
}
```

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(212, 125, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 125, 238) }
```

Border

The CSS property to change the border of an element to XYZ 49.9176, 34.8373, 84.9822 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(212, 125, 238) }
```


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

```
.border{ border-color:rgb(212, 125, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 125, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 125, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 125, 238);  
box-shadow:4px 4px 4px 4px rgb(212, 125,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9176, 34.8373, 84.9822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 125, 238) }
```

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

```
.background{ background-color: rgb(212,  
125, 238) }
```

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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