

Converting Colors

XYZ(48.6514, 32.9250, 79.2763)

Have a look what the booklet for
XYZ(48.6514, 32.9250, 79.2763)
contains.

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Color

**XYZ(48.5166, 32.7882,
79.3730)**

Conversions

Conversions Part 1

Format	Color
Hex	D675E7
RGB	214, 117, 231
RGB Percent	84%, 46%, 91%
CMY	0.1608, 0.5412, 0.0941
CMYK	0.07, 0.49, 0.00, 0.09
HSL	291°, 70%, 68%
HSV	291°, 49%, 91%
XYZ	48.5166, 32.7882, 79.3730
YIQ	158.9990, 21.2180, 56.0180

Conversions

Conversions Part 2

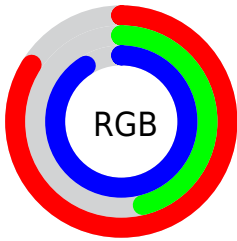
Format	Color
R _Y B	214, 117, 231
Decimal	14054887
CIE _{Lab}	63.99, 54.82, -42.09
CIE _{LCh}	64, 69.108, 322.484
Yxy	32.7882, 0.3019, 0.2041
Android (android.graphics.Color)	4292244967 (0xFFD675E7)
YUV	158.9990, 35.4965, 48.2359
Hunter-Lab	57.2610, 51.0344, -42.1029

Details

The XYZ color **48.5166, 32.7882, 79.3730** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **41.6194, 63.5053, 26.8952**, and the grayscale version is **32.7914, 34.4991, 37.5695**.

A 20% lighter version of the original color is **74.0425, 57.9850, 101.8975**, and **23.4200, 13.8183, 41.9903** is the 20% darker color. If you saturate the color by 10%, you get **45.1553, 27.5415, 78.5379**, and if you desaturate by 10%, it is **52.5654, 39.3766, 80.4318**.

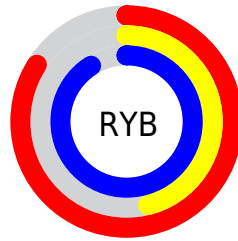
Distribution



Red (84%)

Green (46%)

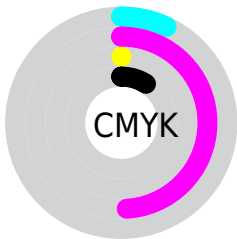
Blue (91%)



Red (84%)

Yellow (46%)

Blue (91%)

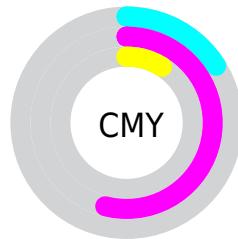


Cyan (7%)

Magenta (49%)

Yellow (0%)

Black (9%)



Cyan (16%)


Magenta (54%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.5166, 32.7882, 79.3730 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 48.5166, 32.7882, 79.3730 by changing the saturation by 10% instead.


 48.5166, 32.7882,
79.3730

 48.5166, 32.7882,
79.3730

371.3848,
314.6943, 512.4682


 34.4491, 21.9642,
58.6794


 87.1781, 64.0447,
134.2873

 23.4034, 13.8306,
41.9368

 112.5029, 85.2461,
169.3450

 15.0140, 8.0030,
28.7266


 142.3108,
110.6753, 210.0279

 8.9156, 4.0968,
18.6303

176.9672,
140.7169, 256.7545

 4.7428, 1.7279,
11.2293

216.8374,
175.7552, 309.9432

 2.1304, 0.4416,
6.1052

262.2868,

 0.7056, 0.0000,

216.1746, 370.0127

2.8393

313.6808,
262.3595, 437.3816

■ 0.0000, 0.0000,
1.0132

■ 0.0000, 0.0000,
0.0000

■ 48.5166, 32.7882,
79.3730

■ 48.5166, 32.7882,
79.3730

■ 45.1553, 27.5415,
78.5379

■ 52.5654, 39.3766,
80.4318

■ 42.4283, 23.5328,
77.9079


■ 57.3431, 47.3918,
81.7271


■ 40.2796, 20.6498,
77.4647


■ 62.8917, 56.9169,
83.2732


■ 38.6422, 18.7581,
77.1859


■ 69.2491, 68.0275,
85.0826


 37.4082, 17.6426,
77.0356


 76.4506, 80.7939,
87.1673

 37.3332, 17.5798,
77.0274

 84.3359, 94.8956,
89.4735

 85.4822, 95.4865,
89.5272

 86.6507, 96.0889,
89.5819

 87.8414, 96.7027,
89.6376

Harmonies

Analogous

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



38.8941, 32.7882, 111.7947



48.5166, 32.7882, 79.3730



53.6794, 32.7882, 43.1913

Triad

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



48.5166, 32.7882, 79.3730



33.6803, 32.7882, 4.5489



16.8578, 32.7882, 60.4094

Complementary

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



48.5166, 32.7882, 79.3730



41.6194, 63.5053, 26.8952

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.



16.0329, 32.7882, 29.1306



48.5166, 32.7882, 79.3730



24.5330, 32.7882, 5.5280

Square

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



48.5166, 32.7882, 79.3730



44.0261, 32.7882, 7.8095



18.5381, 32.7882, 11.9764



21.0883, 32.7882, 97.4316

Rectangle

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



48.5166, 32.7882, 79.3730



53.2751, 32.7882, 25.3107



18.5381, 32.7882, 11.9764



16.2146, 32.7882, 48.6041

Sweetspot

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



48.5178, 32.7896, 79.3737



81.9710, 76.9111, 105.1327



30.3001, 26.6308, 79.1451



17.1927, 15.8480, 22.4028



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.



48.5178, 32.7896, 79.3737



56.5183, 34.4822, 98.2846



48.7323, 33.4788, 53.2427



14.7728, 14.5006, 18.1646



21.0130, 9.8985, 43.1863



1.6104, 0.7612, 3.1940

Inverse Universe

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



43.6204, 31.4340, 26.3239



50.0757, 32.8036, 23.7660



41.9904, 63.3655, 41.8726



14.4641, 14.4028, 15.3786



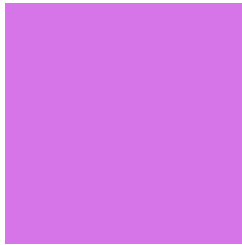
18.6685, 9.6016, 1.8832



1.4069, 0.7205, 0.2833

Previews

White Background



This preview shows how the XYZ color 48.5166, 32.7882, 79.3730 looks on a white background.

Color Contrast Check

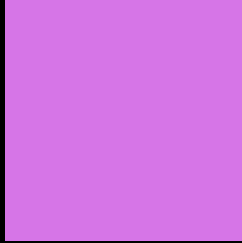
Large Text (above 18pt) WCAG AA × Fail

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 48.5166, 32.7882, 79.3730 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

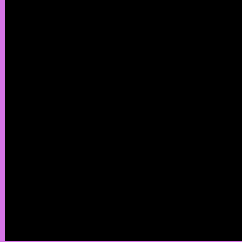
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.5166, 32.7882, 79.3730

Background



This preview shows how black text looks on a background with the XYZ color 48.5166, 32.7882, 79.3730.



This preview shows how white text looks on a background with the XYZ color 48.5166, 32.7882,

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

48.5166, 32.7882, 79.3730

Protanopia

36.2177, 33.2539, 99.1175

Deuteranopia

33.9122, 33.0822, 75.1191



Tritanopia

38.8407, 32.6944, 31.8673

Trichromacy



Original Color

48.5166, 32.7882, 79.3730



Protanomaly

38.4448, 31.6031, 91.2625



Deuteranomaly

37.6881, 31.9667, 76.8569



Tritanomaly

41.7506, 32.4450, 46.1815

Monochromacy



Original Color

48.5166, 32.7882, 79.3730



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

37.3206, 33.0330, 50.3079

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.5166, 32.7882, 79.3730 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(214, 117, 231)` looks like.

```
.text, #text, p{  
    color:rgb(214, 117, 231)  
}
```

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(214, 117, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 117, 231) }
```

Border

The CSS property to change the border of an element to XYZ 48.5166, 32.7882, 79.3730 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(214, 117, 231) }
```


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

```
.border{ border-color:rgb(214, 117, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 117, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 117, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 117, 231);  
box-shadow:4px 4px 4px 4px rgb(214, 117,  
231) }
```

Background

The CSS property to change the background color of an element to XYZ 48.5166, 32.7882, 79.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 117, 231) }
```

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

```
.background{ background-color: rgb(214,  
117, 231) }
```

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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