

Converting Colors

XYZ(48.4026, 32.5445, 80.1118)

Have a look what the booklet for
XYZ(48.4026, 32.5445, 80.1118)
contains.

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Color

**XYZ(48.2515, 32.4631,
80.0668)**

Conversions

Conversions Part 1

Format	Color
Hex	D574E8
RGB	213, 116, 232
RGB Percent	84%, 45%, 91%
CMY	0.1647, 0.5451, 0.0902
CMYK	0.08, 0.50, 0.00, 0.09
HSL	290°, 72%, 68%
HSV	290°, 50%, 91%
XYZ	48.2515, 32.4631, 80.0668
YIQ	158.2270, 20.5760, 56.6400

Conversions

Conversions Part 2

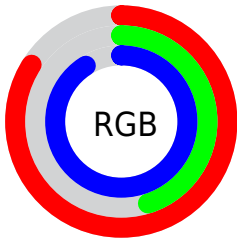
Format	Color
R _Y B	213, 116, 232
Decimal	13989096
CIE Lab	63.72, 55.23, -43.07
CIE LCh	64, 70.035, 322.054
Yxy	32.4631, 0.3001, 0.2019
Android (android.graphics.Color)	4292179176 (0xFFD574E8)
YUV	158.2270, 36.3701, 48.0359
Hunter-Lab	56.9764, 51.4573, -43.4345

Details

The XYZ color **48.2515, 32.4631, 80.0668** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **42.0016, 64.1258, 26.6882**, and the grayscale version is **32.4370, 34.1263, 37.1635**.

A 20% lighter version of the original color is **73.8529, 57.6058, 101.8343**, and **23.2694, 13.6478, 42.4821** is the 20% darker color. If you saturate the color by 10%, you get **44.8146, 27.2055, 79.2336**, and if you desaturate by 10%, it is **52.3843, 39.0721, 81.1251**.

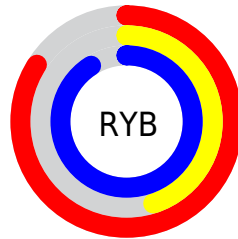
Distribution



Red (84%)

Green (45%)

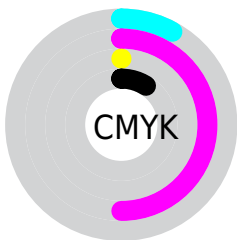
Blue (91%)



Red (84%)

Yellow (45%)

Blue (91%)

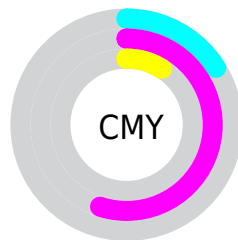


Cyan (8%)

Magenta (50%)

Yellow (0%)

Black (9%)



Cyan (16%)


Magenta (55%)


Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.2515, 32.4631, 80.0668 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 48.2515, 32.4631, 80.0668 by changing the saturation by 10% instead.


 48.2515, 32.4631,
80.0668


 48.2515, 32.4631,
80.0668


370.3542,
313.2234, 514.8706


 34.2382, 21.7155,
59.2468


 86.7862, 63.5364,
135.2719

 23.2404, 13.6480,
42.3905

 112.0382, 84.6308,
170.4941

 14.8928, 7.8762,
29.0794


 141.7673,
109.9430, 211.3541

 8.8300, 4.0159,
18.8948

176.3386,
139.8573, 258.2705

 4.6867, 1.6824,
11.4182

216.1176,
174.7580, 311.6618

 2.0975, 0.4122,
6.2312

261.4696,

 0.6878, 0.0000,

215.0297, 371.9466

2.9151

312.7600,
261.0567, 439.5434

■ 0.0000, 0.0000,
1.0514

■ 0.0000, 0.0000,
0.0000

■ 48.2515, 32.4631,
80.0668

■ 48.2515, 32.4631,
80.0668

■ 44.8146, 27.2055,
79.2336

■ 52.3843, 39.0721,
81.1251

■ 42.0191, 23.1937,
78.6066


■ 57.2550, 47.1194,
82.4217


■ 39.8082, 20.3131,
78.1671


■ 62.9064, 56.6892,
83.9710


■ 38.1128, 18.4261,
77.8923


■ 69.3770, 67.8583,
85.7858


 36.8145, 17.2960,
77.7425


 76.7027, 80.6982,
87.8781

 36.8143, 17.2959,
77.7425

 84.8517, 95.1451,
90.2371

 86.1255, 95.8017,
90.2967

 87.4262, 96.4723,
90.3576

 88.7542, 97.1569,
90.4197

Harmonies

Analogous

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



38.4947, 32.4631, 112.7928



48.2515, 32.4631, 80.0668



53.5647, 32.4631, 43.3542

Triad

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



48.2515, 32.4631, 80.0668



33.5373, 32.4631, 4.2969



16.4650, 32.4631, 59.7625

Complementary

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



48.2515, 32.4631, 80.0668



42.0016, 64.1258, 26.6882

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.



15.6885, 32.4631, 28.3916



48.2515, 32.4631, 80.0668



24.2998, 32.4631, 5.1960

Square

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



48.2515, 32.4631, 80.0668



43.9705, 32.4631, 7.5664



18.2410, 32.4631, 11.4454



20.6476, 32.4631, 97.3662

Rectangle

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



48.2515, 32.4631, 80.0668



53.2262, 32.4631, 25.2216



18.2410, 32.4631, 11.4454



15.8386, 32.4631, 47.8731

Sweetspot

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



48.2527, 32.4645, 80.0675



81.7711, 76.8080, 105.1234



30.4797, 26.9617, 79.9421



17.1441, 15.8229, 22.4005



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.



48.2527, 32.4645, 80.0675



55.4155, 33.5359, 98.1601



49.1879, 33.5130, 54.5245



14.7512, 14.4895, 18.1636



20.5289, 9.6489, 43.1636



1.5791, 0.7450, 3.1925

Inverse Universe

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



43.8982, 31.3971, 26.6693



49.8260, 32.2966, 23.7067



41.9485, 63.7824, 40.9655



14.4728, 14.4063, 15.4242



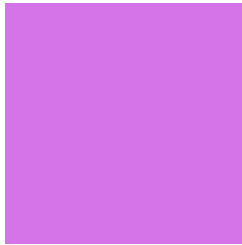
18.6997, 9.6141, 2.0479



1.4110, 0.7221, 0.3049

Previews

White Background



This preview shows how the XYZ color 48.2515, 32.4631, 80.0668 looks on a white background.

Color Contrast Check

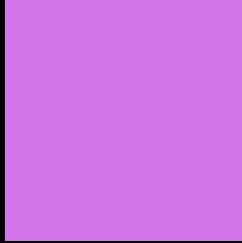
Large Text (above 18pt) WCAG AA × Fail

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 48.2515, 32.4631, 80.0668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

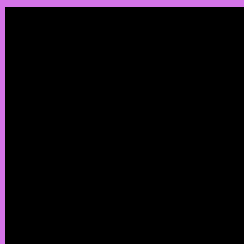
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2515, 32.4631, 80.0668

Background



This preview shows how black text looks on a background with the XYZ color 48.2515, 32.4631, 80.0668.



This preview shows how white text looks on a background with the XYZ color 48.2515, 32.4631,

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

48.2515, 32.4631, 80.0668

Protanopia

35.7987, 32.7980, 99.0516

Deuteranopia

33.5860, 32.6543, 75.7669



Tritanopia

38.2995, 32.4154, 31.8420

Trichromacy



Original Color

48.2515, 32.4631, 80.0668



Protanomaly

38.2714, 31.2819, 92.0166



Deuteranomaly

37.4822, 31.6267, 77.5278



Tritanomaly

41.0630, 31.8940, 46.1114

Monochromacy



Original Color

48.2515, 32.4631, 80.0668



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

36.9395, 32.6127, 50.2469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2515, 32.4631, 80.0668 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(213, 116, 232)` looks like.

```
.text, #text, p{  
    color:rgb(213, 116, 232)  
}
```

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(213, 116, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 116, 232) }
```

Border

The CSS property to change the border of an element to XYZ 48.2515, 32.4631, 80.0668 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(213, 116, 232) }
```


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

```
.border{ border-color:rgb(213, 116, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 116, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 116, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 116, 232);  
box-shadow:4px 4px 4px 4px rgb(213, 116,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2515, 32.4631, 80.0668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 116, 232) }
```

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

```
.background{ background-color: rgb(213,  
116, 232) }
```

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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