

Converting Colors

XYZ(47.4263, 31.7221, 68.7352)

Have a look what the booklet for
XYZ(47.4263, 31.7221, 68.7352)
contains.

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Color

**XYZ(47.5132, 31.8282,
68.6050)**

Conversions

Conversions Part 1

Format	Color
Hex	DB71D8
RGB	219, 113, 216
RGB Percent	86%, 44%, 85%
CMY	0.1412, 0.5568, 0.1529
CMYK	0.00, 0.48, 0.01, 0.14
HSL	302°, 60%, 65%
HSV	302°, 48%, 86%
XYZ	47.5132, 31.8282, 68.6050
YIQ	156.4360, 30.1130, 54.5050

Conversions

Conversions Part 2

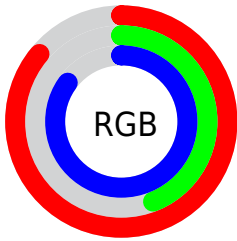
Format	Color
R _Y B	219, 113, 216
Decimal	14381528
CIE Lab	63.20, 55.44, -34.91
CIE LCh	63, 65.514, 327.804
Yxy	31.8282, 0.3212, 0.2151
Android (android.graphics.Color)	4292571608 (0xFFDB71D8)
YUV	156.4360, 29.3651, 54.8686
Hunter-Lab	56.4165, 51.6014, -32.6078

Details

The XYZ color **47.5132, 31.8282, 68.6050** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **35.2953, 55.4359, 25.3648**, and the grayscale version is **31.6592, 33.3079, 36.2723**.

A 20% lighter version of the original color is **73.2926, 56.4853, 101.6475**, and **22.8973, 13.3825, 35.0945** is the 20% darker color. If you saturate the color by 10%, you get **45.2786, 27.4863, 67.4657**, and if you desaturate by 10%, it is **50.3397, 37.3519, 69.9437**.

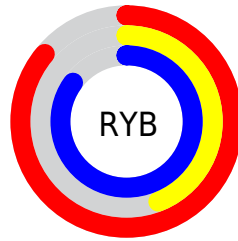
Distribution



Red (86%)

Green (44%)

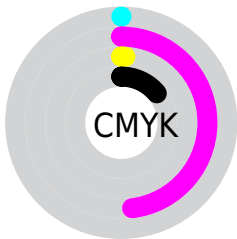
Blue (85%)



Red (86%)

Yellow (44%)

Blue (85%)

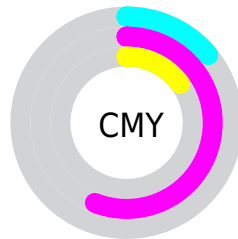


Cyan (0%)

Magenta (48%)

Yellow (1%)

Black (14%)



Cyan (14%)


Magenta (56%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5132, 31.8282, 68.6050 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 47.5132, 31.8282, 68.6050 by changing the saturation by 10% instead.


 47.5132, 31.8282,
68.6050


 47.5132, 31.8282,
68.6050

367.4741,
310.3359, 474.2927


 33.6512, 21.2303,
49.9203

 85.6933, 62.5417,
118.8796

 22.7874, 13.2925,
34.9794


 110.7420, 83.4260,
151.3066

 14.5564, 7.6302,
23.3636


 140.2504,
108.5080, 189.1515

 8.5929, 3.8593,
14.6544

174.5837,
138.1720, 232.8328

 4.5316, 1.5952,
8.4333

214.1074,
172.8024, 282.7690

 2.0071, 0.3543,
4.2817

259.1868,

 0.6379, 0.0000,

212.7836, 339.3787

1.7811

310.1873,
258.4999, 403.0804

■ 0.0000, 0.0000,
0.4155

■ 0.0000, 0.0000,
0.0000

■ 47.5132, 31.8282,
68.6050

■ 47.5132, 31.8282,
68.6050

■ 45.2786, 27.4863,
67.4657

■ 50.3397, 37.3519,
69.9437

■ 43.5896, 24.2358,
66.5095


■ 53.7936, 44.1308,
71.4927


■ 42.3981, 21.9800,
65.7206


■ 57.9116, 52.2373,
73.2646


■ 41.6466, 20.6036,
65.0798


■ 62.7266, 61.7372,
75.2703


 41.2495, 19.9354,
64.5587


 68.2691, 72.6918,
77.5200

 41.1989, 19.8543,
64.4797

 74.5681, 85.1589,
80.0233

 77.9372, 91.7656,
81.5516

 78.0197, 91.7986,
81.9858

 78.1024, 91.8317,
82.4216

Harmonies

Analogous

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



39.1246, 31.8282, 100.1492



47.5132, 31.8282, 68.6050



51.2063, 31.8282, 36.6022

Triad

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



47.5132, 31.8282, 68.6050



30.9241, 31.8282, 4.8893



17.3131, 31.8282, 63.5168

Complementary

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



47.5132, 31.8282, 68.6050



35.2953, 55.4359, 25.3648

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.



15.9721, 31.8282, 32.7791



47.5132, 31.8282, 68.6050



22.8333, 31.8282, 6.6098

Square

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



47.5132, 31.8282, 68.6050



40.5128, 31.8282, 7.2635



17.7773, 31.8282, 14.2936



21.8884, 31.8282, 96.3212

Rectangle

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



47.5132, 31.8282, 68.6050



50.0486, 31.8282, 21.5321



17.7773, 31.8282, 14.2936



16.5146, 31.8282, 52.2534

Sweetspot

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



47.5143, 31.8296, 68.6057



83.8646, 77.9074, 104.3139



25.7324, 20.5554, 69.6301



17.6539, 16.0906, 22.2029



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.



47.5143, 31.8296, 68.6057



63.8913, 38.7495, 95.2244



41.8418, 29.5606, 38.7346



13.5976, 13.2682, 16.4084



24.4359, 11.7754, 38.2712



1.5882, 0.7649, 2.5064

Inverse Universe

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



47.5143, 31.8296, 68.6057



63.8913, 38.7495, 95.2244



39.1891, 56.9934, 45.8689



13.5976, 13.2682, 16.4084



24.4359, 11.7754, 38.2712



1.5882, 0.7649, 2.5064

Previews

White Background



This preview shows how the XYZ color 47.5132, 31.8282, 68.6050 looks on a white background.

Color Contrast Check

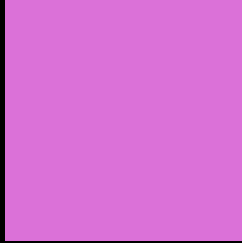
Large Text (above 18pt) WCAG AA × Fail

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 47.5132, 31.8282, 68.6050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

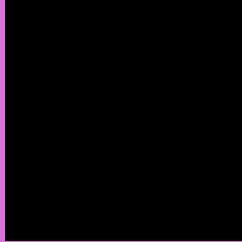
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.5132, 31.8282, 68.6050

Background



This preview shows how black text looks on a background with the XYZ color 47.5132, 31.8282, 68.6050.

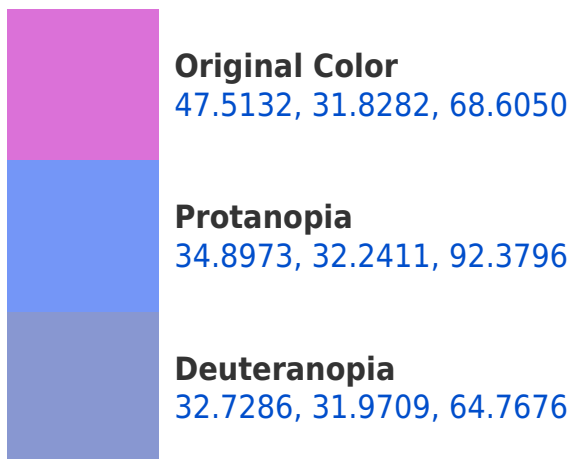


This preview shows how white text looks on a background with the XYZ color 47.5132, 31.8282,

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

39.5024, 31.8573, 29.2664

Trichromacy



Original Color

47.5132, 31.8282, 68.6050



Protanomaly

37.2229, 30.7198, 83.3245



Deuteranomaly

36.5552, 30.7518, 66.2964



Tritanomaly

41.7161, 31.3886, 40.9057

Monochromacy



Original Color

47.5132, 31.8282, 68.6050



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

36.0044, 31.5542, 46.3124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5132, 31.8282, 68.6050 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(219, 113, 216)` looks like.

```
.text, #text, p{  
    color:rgb(219, 113, 216)  
}
```

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(219, 113, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 113, 216) }
```

Border

The CSS property to change the border of an element to XYZ 47.5132, 31.8282, 68.6050 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(219, 113, 216) }
```


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

```
.border{ border-color:rgb(219, 113, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 113, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 113, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 113, 216);  
box-shadow:4px 4px 4px 4px rgb(219, 113,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5132, 31.8282, 68.6050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 113, 216) }
```

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

```
.background{ background-color: rgb(219,  
113, 216) }
```

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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