

Converting Colors

XYZ(41.8255, 31.5550, 69.3616)

Have a look what the booklet for
XYZ(41.8255, 31.5550, 69.3616)
contains.

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Color

**XYZ(41.9818, 31.6546,
69.5429)**

Conversions

Conversions Part 1

Format	Color
Hex	C080D9
RGB	192, 128, 217
RGB Percent	75%, 50%, 85%
CMY	0.2471, 0.4980, 0.1490
CMYK	0.12, 0.41, 0.00, 0.15
HSL	283°, 54%, 68%
HSV	283°, 41%, 85%
XYZ	41.9818, 31.6546, 69.5429
YIQ	157.2820, 9.5750, 41.2470

Conversions

Conversions Part 2

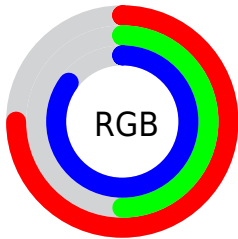
Format	Color
RYB	192, 128, 217
Decimal	12615897
CIELab	63.06, 40.02, -35.93
CIElCh	63, 53.787, 318.082
Yxy	31.6546, 0.2932, 0.2211
Android (android.graphics.Color)	4290805977 (0xFFC080D9)
YUV	157.2820, 29.4410, 30.4477
Hunter-Lab	56.2624, 34.7336, -33.9014

Details

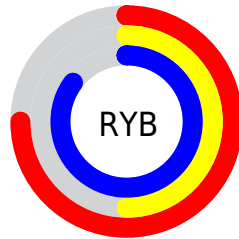
The XYZ color **41.9818, 31.6546, 69.5429** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **41.8470, 57.9573, 29.4048**, and the grayscale version is **32.0443, 33.7131, 36.7136**.

A 20% lighter version of the original color is **74.2023, 60.9999, 102.4710**, and **19.4920, 13.2348, 35.7096** is the 20% darker color. If you saturate the color by 10%, you get **37.9369, 25.8080, 68.6281**, and if you desaturate by 10%, it is **46.6981, 38.7472, 70.6638**.

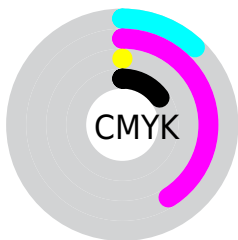
Distribution



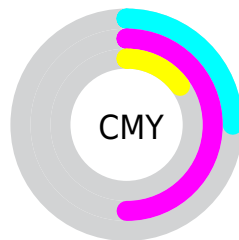
- Red (75%)
- Green (50%)
- Blue (85%)



- Red (75%)
- Yellow (50%)
- Blue (85%)



- Cyan (12%)
- Magenta (41%)
- Yellow (0%)
- Black (15%)





- Cyan (25%)
- Magenta (50%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9818, 31.6546, 69.5429 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 41.9818, 31.6546, 69.5429 by changing the saturation by 10% instead.


 41.9818, 31.6546,
69.5429


 41.9818, 31.6546,
69.5429


345.4004,
309.5428, 477.6891


 29.2781, 21.0978,
50.6795


 77.4374, 62.2692,
120.2317

 19.4366, 13.1955,
35.5786


 100.9200, 83.0958,
152.8941

 12.0921, 7.5633,
23.8218


 128.7263,
108.1145, 190.9932

 6.8791, 3.8168,
14.9905

161.2216,
137.7097, 234.9477

 3.4322, 1.5716,
8.6662

198.7714,
172.2657, 285.1760

 1.3862, 0.3384,
4.4303

241.7408,

 0.2464, 0.0000,

212.1670, 342.0966

1.8642

290.4954,
257.7979, 406.1281

■ 0.0000, 0.0000,
0.4698

■ 0.0000, 0.0000,
0.0000

■ 41.9818, 31.6546,
69.5429

■ 41.9818, 31.6546,
69.5429

■ 37.9369, 25.8080,
68.6281

■ 46.6981, 38.7472,
70.6638

■ 34.5203, 21.1252,
67.9043

■ 52.1186, 47.1532,
72.0007

■ 31.6889, 17.5202,
67.3577

■ 58.2780, 56.9399,
73.5650

■ 29.3921, 14.8930,
66.9716

■ 65.2076, 68.1686,
75.3672

27.5698, 13.1245,
66.7263

72.9366, 80.8970,
77.4166

26.2437, 12.0823,
66.5951

80.4620, 93.1179,
79.3789

82.4366, 94.1359,
79.4713

84.4802, 95.1894,
79.5669

86.5933, 96.2787,
79.6658

Harmonies

Analogous

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



34.7288, 31.6546, 89.6231



41.9818, 31.6546, 69.5429



46.2904, 31.6546, 43.5981

Triad

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



41.9818, 31.6546, 69.5429



33.1259, 31.6546, 7.9741



18.4739, 31.6546, 48.7448

Complementary

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



41.9818, 31.6546, 69.5429



41.8470, 57.9573, 29.4048

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.



18.1889, 31.6546, 26.7082



41.9818, 31.6546, 69.5429



25.8779, 31.6546, 8.4098

Square

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



41.9818, 31.6546, 69.5429



40.6437, 31.6546, 12.1478



20.6819, 31.6546, 13.7623



21.5372, 31.6546, 74.6149

Rectangle

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



41.9818, 31.6546, 69.5429



46.5114, 31.6546, 29.0426



20.6819, 31.6546, 13.7623



18.0708, 31.6546, 40.5268

Sweetspot

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



41.9829, 31.6559, 69.5436



82.9614, 80.4126, 105.7564



32.8544, 32.4538, 70.1787



17.4967, 16.7950, 22.5695



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.



41.9829, 31.6559, 69.5436



55.5248, 38.3989, 99.0930



46.4957, 34.2555, 57.4171



13.2393, 13.0815, 16.4793



15.9942, 7.3695, 40.3179



1.1186, 0.5199, 2.6158

Inverse Universe

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



42.0852, 32.4913, 34.1916



56.0343, 39.9606, 40.4278



39.0047, 56.3312, 36.5391



13.2056, 13.1114, 14.3441



17.8704, 9.1492, 3.6976



1.1942, 0.6073, 0.4314

Previews

White Background



This preview shows how the XYZ color 41.9818, 31.6546, 69.5429 looks on a white background.

Color Contrast Check

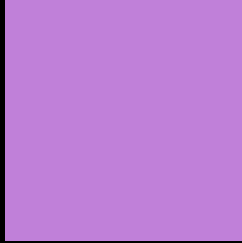
Large Text (above 18pt) WCAG AA × Fail

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 41.9818, 31.6546, 69.5429 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

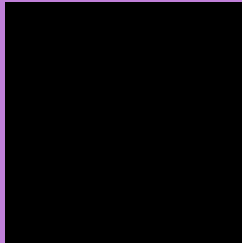
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9818, 31.6546, 69.5429

Background



This preview shows how black text looks on a background with the XYZ color 41.9818, 31.6546, 69.5429.



This preview shows how white text looks on a background with the XYZ color 41.9818, 31.6546,

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

41.9818, 31.6546, 69.5429

Protanopia

33.9278, 31.9484, 82.9757

Deuteranopia

32.7497, 31.9239, 67.3866



Tritanopia

34.7142, 31.5910, 34.4050

Trichromacy



Original Color

41.9818, 31.6546, 69.5429



Protanomaly

35.7092, 31.1505, 77.5294



Deuteranomaly

35.2865, 31.3700, 67.8135



Tritanomaly

37.0318, 31.4650, 45.1959

Monochromacy



Original Color

41.9818, 31.6546, 69.5429



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

34.9931, 32.3585, 47.0493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9818, 31.6546, 69.5429 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(192, 128, 217)` looks like.

```
.text, #text, p{  
    color:rgb(192, 128, 217)  
}
```

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(192, 128, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 128, 217) }
```

Border

The CSS property to change the border of an element to XYZ 41.9818, 31.6546, 69.5429 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(192, 128, 217) }
```


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

```
.border{ border-color:rgb(192, 128, 217) }
```

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

Here you see how a box with a 4 pixel rgb(192, 128, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 128, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 128, 217);  
box-shadow:4px 4px 4px 4px rgb(192, 128,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9818, 31.6546, 69.5429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 128, 217) }
```

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

```
.background{ background-color: rgb(192,  
128, 217) }
```

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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