

Converting Colors

XYZ(45.9776, 31.7864, 74.6004)

Have a look what the booklet for
XYZ(45.9776, 31.7864, 74.6004)
contains.

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Color

**XYZ(46.0815, 31.8030,
74.9440)**

Conversions

Conversions Part 1

Format	Color
Hex	D076E1
RGB	208, 118, 225
RGB Percent	82%, 46%, 88%
CMY	0.1843, 0.5372, 0.1176
CMYK	0.08, 0.48, 0.00, 0.12
HSL	290°, 64%, 67%
HSV	290°, 48%, 88%
XYZ	46.0815, 31.8030, 74.9440
YIQ	157.1080, 19.2930, 52.3570

Conversions

Conversions Part 2

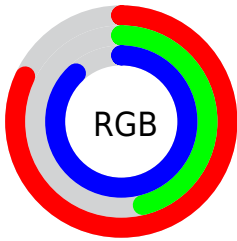
Format	Color
RYB	208, 118, 225
Decimal	13661921
CIELab	63.18, 51.50, -40.07
CIELCh	63, 65.254, 322.117
Yxy	31.8030, 0.3015, 0.2081
Android (android.graphics.Color)	4291852001 (0xFFD076E1)
YUV	157.1080, 33.4708, 44.6323
Hunter-Lab	56.3941, 47.1684, -39.3165

Details

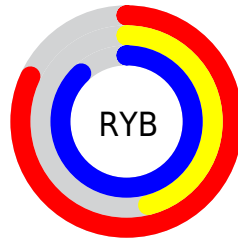
The XYZ color **46.0815, 31.8030, 74.9440** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **40.1879, 60.3101, 26.6638**, and the grayscale version is **31.9455, 33.6092, 36.6004**.

A 20% lighter version of the original color is **74.2336, 58.3671, 101.9612**, and **21.8142, 13.2245, 38.9390** is the 20% darker color. If you saturate the color by 10%, you get **42.7476, 26.6097, 74.1178**, and if you desaturate by 10%, it is **50.0721, 38.2744, 75.9833**.

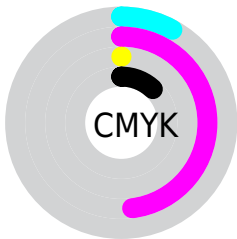
Distribution



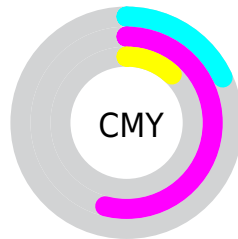
- Red (82%)
- Green (46%)
- Blue (88%)



- Red (82%)
- Yellow (46%)
- Blue (88%)



- Cyan (8%)
- Magenta (48%)
- Yellow (0%)
- Black (12%)





- Cyan (18%)
- Magenta (54%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0815, 31.8030, 74.9440 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 46.0815, 31.8030, 74.9440 by changing the saturation by 10% instead.


 46.0815, 31.8030,
74.9440


 46.0815, 31.8030,
74.9440


361.8467,
310.2209, 496.9754


 32.5150, 21.2111,
55.0656


 83.5681, 62.5021,
127.9795

 21.9126, 13.2784,
39.0553


 108.2189, 83.3781,
161.9736

 13.9090, 7.6205,
26.4946


 137.2952,
108.4509, 201.5100

 8.1387, 3.8531,
16.9649

171.1624,
138.1049, 247.0072

 4.2364, 1.5917,
10.0478

210.1857,
172.7245, 298.8838

 1.8367, 0.3520,
5.3246

254.7307,

 0.5396, 0.0000,

212.6941, 357.5583

2.3769

305.1625,
258.3981, 423.4493

■ 0.0000, 0.0000,
0.7738

■ 0.0000, 0.0000,
0.0000

■ 46.0815, 31.8030,
74.9440

■ 46.0815, 31.8030,
74.9440

■ 42.7476, 26.6097,
74.1178

■ 50.0721, 38.2744,
75.9833

■ 40.0213, 22.5990,
73.4873


■ 54.7575, 46.1023,
77.2472


■ 37.8518, 19.6687,
73.0361


■ 60.1764, 55.3633,
78.7492


■ 36.1781, 17.6971,
72.7437


■ 66.3640, 66.1274,
80.5008


 34.9178, 16.5195,
72.5829


 73.3531, 78.4598,
82.5128

 34.6401, 16.2877,
72.5527

 81.1743, 92.4220,
84.7955

 82.9629, 94.2840,
85.0607

 84.1420, 94.8919,
85.1159

 85.3449, 95.5120,
85.1721

Harmonies

Analogous

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



37.2370, 31.8030, 104.0074



46.0815, 31.8030, 74.9440



50.8604, 31.8030, 41.8942

Triad

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



46.0815, 31.8030, 74.9440



32.6685, 31.8030, 5.0545



16.8424, 31.8030, 56.8903

Complementary

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



46.0815, 31.8030, 74.9440



40.1879, 60.3101, 26.6638

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.



16.1006, 31.8030, 28.2548



46.0815, 31.8030, 74.9440



24.1584, 31.8030, 5.9898

Square

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



46.0815, 31.8030, 74.9440



42.1732, 31.8030, 8.3625



18.5043, 31.8030, 12.2109



20.7823, 31.8030, 90.4653

Rectangle

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



46.0815, 31.8030, 74.9440



50.5464, 31.8030, 25.2154



18.5043, 31.8030, 12.2109



16.2472, 31.8030, 46.1325

Sweetspot

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



46.0826, 31.8044, 74.9447



82.6439, 78.2398, 105.3537



29.8437, 26.8506, 74.8444



17.3198, 16.1067, 22.4460



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.



46.0826, 31.8044, 74.9447



56.8371, 35.4369, 98.4521



46.7523, 32.6543, 52.1739



14.0700, 13.8196, 17.3136



20.0436, 9.4282, 41.8118



1.4475, 0.6835, 2.9009

Inverse Universe

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



41.9039, 30.7149, 26.6428



50.9941, 34.0228, 25.9764



40.2025, 60.0248, 39.8949



13.7956, 13.7359, 14.6937



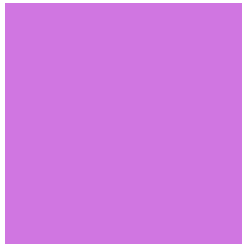
18.1022, 9.3079, 1.9382



1.2824, 0.6562, 0.2801

Previews

White Background



This preview shows how the XYZ color 46.0815, 31.8030, 74.9440 looks on a white background.

Color Contrast Check

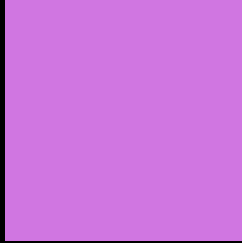
Large Text (above 18pt) WCAG AA × Fail

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 46.0815, 31.8030, 74.9440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

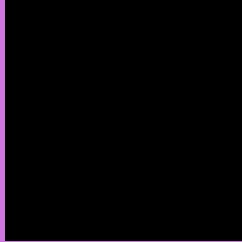
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.0815, 31.8030, 74.9440

Background



This preview shows how black text looks on a background with the XYZ color 46.0815, 31.8030, 74.9440.



This preview shows how white text looks on a background with the XYZ color 46.0815, 31.8030,

74.9440.

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

46.0815, 31.8030, 74.9440

Protanopia

35.3181, 32.3493, 97.3111

Deuteranopia

32.9165, 32.1601, 71.4905



Tritanopia

37.0966, 31.5852, 31.7451

Trichromacy



Original Color

46.0815, 31.8030, 74.9440



Protanomaly

37.2988, 30.8511, 88.7830



Deuteranomaly

36.3339, 31.1447, 72.5031



Tritanomaly

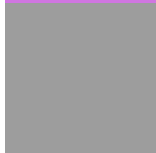
39.6755, 31.2132, 44.4911

Monochromacy



Original Color

46.0815, 31.8030, 74.9440



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

36.1705, 32.2524, 48.5749

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0815, 31.8030, 74.9440 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(208, 118, 225)` looks like.

```
.text, #text, p{  
    color:rgb(208, 118, 225)  
}
```

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(208, 118, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 118, 225) }
```

Border

The CSS property to change the border of an element to XYZ 46.0815, 31.8030, 74.9440 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(208, 118, 225) }
```


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

```
.border{ border-color:rgb(208, 118, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 118, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 118, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 118, 225);  
box-shadow:4px 4px 4px 4px rgb(208, 118,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0815, 31.8030, 74.9440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 118, 225) }
```

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

```
.background{ background-color: rgb(208,  
118, 225) }
```

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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