

Converting Colors

XYZ(46.1871, 44.8743, 84.0248)

Have a look what the booklet for
XYZ(46.1871, 44.8743, 84.0248)
contains.

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Color

**XYZ(46.1176, 44.8159,
84.0616)**

Conversions

Conversions Part 1

Format	Color
Hex	A7AFEA
RGB	167, 175, 234
RGB Percent	65%, 69%, 92%
CMY	0.3451, 0.3137, 0.0823
CMYK	0.29, 0.25, 0.00, 0.08
HSL	233°, 61%, 79%
HSV	233°, 29%, 92%
XYZ	46.1176, 44.8159, 84.0616
YIQ	179.3340, -23.7070, 16.6530

Conversions

Conversions Part 2

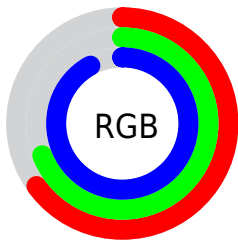
Format	Color
R _Y B	167, 174, 234
Decimal	10989546
CIE Lab	72.77, 10.27, -30.42
CIE LCh	73, 32.107, 288.647
Yxy	44.8159, 0.2635, 0.2561
Android (android.graphics.Color)	4289179626 (0xFFA7AFEA)
YUV	179.3340, 26.9503, -10.8169
Hunter-Lab	66.9447, 5.8139, -27.5884

Details

The XYZ color **46.1176, 44.8159, 84.0616** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **68.1040, 74.6759, 47.3852**, and the grayscale version is **42.8968, 45.1308, 49.1474**.

A 20% lighter version of the original color is **76.7782, 79.5016, 105.9064**, and **21.9289, 20.8910, 44.9961** is the 20% darker color. If you saturate the color by 10%, you get **37.9051, 35.0768, 82.6154**, and if you desaturate by 10%, it is **55.8394, 56.2435, 85.7557**.

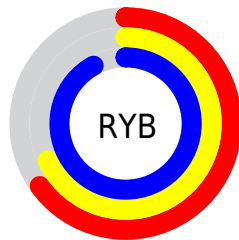
Distribution



Red (65%)

Green (69%)

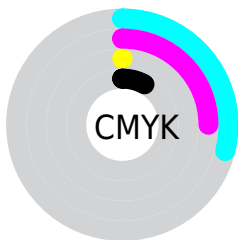
Blue (92%)



Red (65%)

Yellow (68%)

Blue (92%)

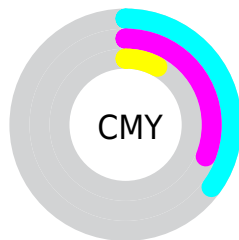


Cyan (29%)

Magenta (25%)

Yellow (0%)

Black (8%)



Cyan (35%)

Magenta (31%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1176, 44.8159, 84.0616 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 46.1176, 44.8159, 84.0616 by changing the saturation by 10% instead.

■ 46.1176, 44.8159,
84.0616

■ 46.1176, 44.8159,
84.0616

361.9893,
366.0274, 528.5812

■ 32.5436, 31.3124,
62.5206

■ 83.6218, 82.4441,
140.9238

■ 21.9346, 20.8369,
45.0150

■ 108.2827,
107.3376, 177.0822

■ 13.9252, 13.0048,
31.1262

137.3699,
136.7966, 218.9500

■ 8.1500, 7.4319,
20.4357

171.2489,
171.2054, 266.9460

■ 4.2437, 3.7336,
12.5249

210.2850,
210.9486, 321.4885

■ 1.8409, 1.5257,
6.9754

254.8435,

■ 0.5421, 0.3067,

256.4103, 382.9962

3.3685

305.2898,
307.9752, 451.8876

■ 0.0000, 0.0000,
1.2857

■ 0.0000, 0.0000,
0.0501

■ 46.1176, 44.8159,
84.0616

■ 46.1176, 44.8159,
84.0616

■ 37.9051, 35.0768,
82.6154

■ 55.8394, 56.2435,
85.7557

■ 31.1217, 26.9408,
81.4025

■ 67.1367, 69.4292,
87.7054

■ 25.6861, 20.3229,
80.4116

■ 80.0769, 84.4450,
89.9217

■ 21.5073, 15.1279,
79.6291

■ 91.8514, 98.7206,
92.0566

■ 18.4826, 11.2501,
79.0400

■ 16.4930, 8.5681,
78.6272

■ 15.3753, 6.9288,
78.3697

■ 15.2653, 6.7683,
78.3445

Harmonies

Analogous

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



40.5201, 44.8159, 85.5233



46.1176, 44.8159, 84.0616



51.1632, 44.8159, 72.0288

Triad

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



46.1176, 44.8159, 84.0616



50.0808, 44.8159, 29.1839



32.9242, 44.8159, 42.9980

Complementary

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



46.1176, 44.8159, 84.0616



68.1040, 74.6759, 47.3852

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.



35.0432, 44.8159, 31.1894



46.1176, 44.8159, 84.0616



44.7420, 44.8159, 24.4560

Square

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



46.1176, 44.8159, 84.0616



53.5855, 44.8159, 39.6215



39.2587, 44.8159, 25.0996



33.2225, 44.8159, 59.2896

Rectangle

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



46.1176, 44.8159, 84.0616



53.3840, 44.8159, 60.8544



39.2587, 44.8159, 25.0996



33.3694, 44.8159, 38.4476

Sweetspot

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



46.1191, 44.8177, 84.0626



80.9933, 83.6809, 106.4910



58.9600, 72.5020, 82.1696



16.8826, 17.3833, 22.7155



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.



46.1191, 44.8177, 84.0626



50.3130, 47.6790, 101.1589



50.3000, 44.7295, 83.8253



14.3761, 14.8386, 19.0287



8.6253, 3.8976, 44.0407



0.7247, 0.4009, 3.4741

Inverse Universe

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



55.4895, 48.2265, 46.9432



63.3997, 52.6168, 49.2785



62.8163, 75.2553, 47.7757



15.1386, 15.0833, 16.0153



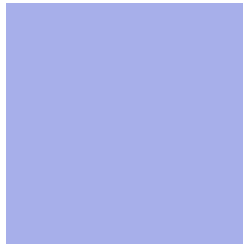
19.2090, 9.8863, 1.6358



1.5323, 0.7859, 0.2546

Previews

White Background



This preview shows how the XYZ color 46.1176, 44.8159, 84.0616 looks on a white background.

Color Contrast Check

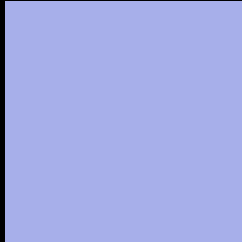
Large Text (above 18pt) WCAG AA × Fail

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 46.1176, 44.8159, 84.0616 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

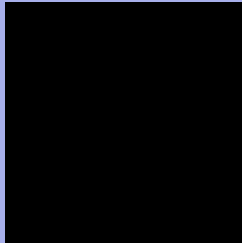
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.1176, 44.8159, 84.0616

Background



This preview shows how black text looks on a background with the XYZ color 46.1176, 44.8159, 84.0616.



This preview shows how white text looks on a background with the XYZ color 46.1176, 44.8159,

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

46.1176, 44.8159, 84.0616

Protanopia

45.4210, 44.7302, 84.8371

Deuteranopia

45.9071, 44.7074, 84.0517



Tritanopia

40.9898, 44.8123, 58.7138

Trichromacy



Original Color

46.1176, 44.8159, 84.0616

Protanomaly

45.8306, 44.9413, 84.8563

Deuteranomaly

45.9071, 44.7074, 84.0517

Tritanomaly

42.6532, 44.5747, 67.3285

Monochromacy



Original Color

46.1176, 44.8159, 84.0616

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.9084, 45.0783, 60.4196

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1176, 44.8159, 84.0616 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(167, 175, 234)` looks like.

```
.text, #text, p{  
    color:rgb(167, 175, 234)  
}
```

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(167, 175, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 175, 234) }
```

Border

The CSS property to change the border of an element to XYZ 46.1176, 44.8159, 84.0616 is called "border". The border property can be set on classes, ids or directly on the HTML element.

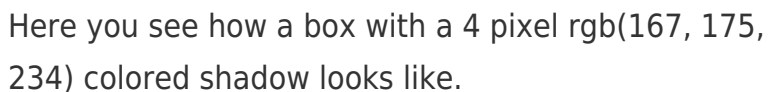
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 175, 234) }
```


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

```
.border{ border-color:rgb(167, 175, 234) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 175, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 175, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 175, 234); box-shadow:4px 4px 4px 4px rgb(167, 175, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1176, 44.8159, 84.0616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 175, 234) }
```

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

```
.background{ background-color: rgb(167,  
175, 234) }
```

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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