

Converting Colors

XYZ(46.2205, 44.5636, 88.0321)

Have a look what the booklet for
XYZ(46.2205, 44.5636, 88.0321)
contains.

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Color

**XYZ(46.2331, 44.5034,
87.8146)**

Conversions

Conversions Part 1

Format	Color
Hex	A5AEEF
RGB	165, 174, 239
RGB Percent	65%, 68%, 94%
CMY	0.3529, 0.3176, 0.0627
CMYK	0.31, 0.27, 0.00, 0.06
HSL	233°, 70%, 79%
HSV	233°, 31%, 94%
XYZ	46.2331, 44.5034, 87.8146
YIQ	178.7190, -26.2290, 18.3070

Conversions

Conversions Part 2

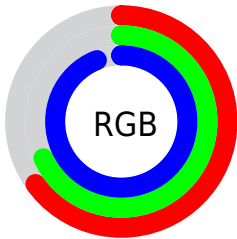
Format	Color
RYB	165, 173, 239
Decimal	10858223
CIELab	72.56, 11.49, -33.47
CIELCh	73, 35.385, 288.940
Yxy	44.5034, 0.2589, 0.2492
Android (android.graphics.Color)	4289048303 (0xFFA5AEEF)
YUV	178.7190, 29.7185, -12.0316
Hunter-Lab	66.7109, 6.9631, -31.3486

Details

The XYZ color **46.2331, 44.5034, 87.8146** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **70.6859, 77.6620, 46.8637**, and the grayscale version is **42.5564, 44.7727, 48.7574**.

A 20% lighter version of the original color is **75.8881, 78.6308, 105.7853**, and **22.0623, 20.7175, 47.6358** is the 20% darker color. If you saturate the color by 10%, you get **37.9751, 34.6896, 86.3564**, and if you desaturate by 10%, it is **56.0568, 56.0672, 89.5297**.

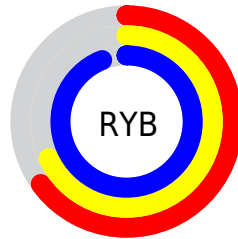
Distribution



Red (65%)

Green (68%)

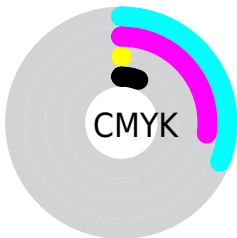
Blue (94%)



Red (65%)

Yellow (68%)

Blue (94%)

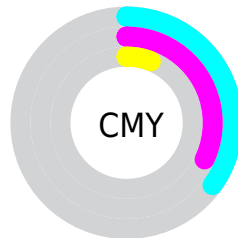


Cyan (31%)

Magenta (27%)

Yellow (0%)

Black (6%)



Cyan (35%)

Magenta (32%)

Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.2331, 44.5034, 87.8146 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 46.2331, 44.5034, 87.8146 by changing the saturation by 10% instead.

■ 46.2331, 44.5034,
87.8146

■ 46.2331, 44.5034,
87.8146

362.4452,
364.7586, 541.2815

■ 32.6352, 31.0665,
65.6061

■ 83.7935, 81.9747,
146.2079

■ 22.0050, 20.6495,
47.4982

■ 108.4867,
106.7779, 183.2297

■ 13.9772, 12.8680,
33.0725

137.6090,
136.1385, 226.0264

■ 8.1864, 7.3377,
21.9104

171.5258,
170.4411, 275.0165

■ 4.2673, 3.6742,
13.5934

210.6025,
210.0700, 330.6185

■ 1.8544, 1.4930,
7.7029

255.2044,

■ 0.5501, 0.2838,

255.4096, 393.2509

3.8204

305.6969,
306.8444, 463.3324

■ 0.0000, 0.0000,
1.5274

■ 0.0000, 0.0000,
0.2382

■ 46.2331, 44.5034,
87.8146

■ 46.2331, 44.5034,
87.8146

■ 37.9751, 34.6896,
86.3564

■ 56.0568, 56.0672,
89.5297

■ 31.1971, 26.5351,
85.1396

■ 67.5171, 69.4554,
91.5098

■ 25.8121, 19.9490,
84.1522

■ 80.6857, 84.7443,
93.7668

■ 21.7218, 14.8294,
83.3796

■ 92.5801, 99.0121,
95.8939

■ 18.8150, 11.0622,
82.8057

■ 16.9611, 8.5156,
82.4118

■ 16.0212, 7.1141,
82.1909

Harmonies

Analogous

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



40.0825, 44.5034, 89.6077



46.2331, 44.5034, 87.8146



51.8028, 44.5034, 74.1232

Triad

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



46.2331, 44.5034, 87.8146



50.5054, 44.5034, 27.2354



31.7733, 44.5034, 42.2773

Complementary

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



46.2331, 44.5034, 87.8146



70.6859, 77.6620, 46.8637

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.



34.0353, 44.5034, 29.5264



46.2331, 44.5034, 87.8146



44.5960, 44.5034, 22.3441

Square

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



46.2331, 44.5034, 87.8146



54.4289, 44.5034, 38.3242



38.5949, 44.5034, 23.0670



32.1203, 44.5034, 60.2340

Rectangle

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



46.2331, 44.5034, 87.8146



54.2531, 44.5034, 61.5980



38.5949, 44.5034, 23.0670



32.2443, 44.5034, 37.3314

Sweetspot

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



46.2346, 44.5051, 87.8156



81.0078, 83.7100, 106.4958



60.5462, 75.3980, 85.5895



16.8861, 17.3904, 22.7166



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.



46.2346, 44.5051, 87.8156



47.4538, 44.3134, 100.6600



50.8086, 44.3678, 87.5481



15.0521, 15.5384, 19.9275



8.9031, 4.0304, 45.4366



0.7903, 0.4346, 3.7965

Inverse Universe

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



56.6930, 48.3186, 46.3844



61.3822, 49.6109, 45.4334



64.7721, 78.4278, 47.3232



15.8510, 15.7901, 16.7716



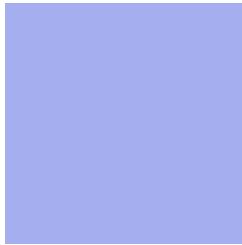
19.8195, 10.2002, 1.7001



1.6739, 0.8586, 0.2734

Previews

White Background



This preview shows how the XYZ color 46.2331, 44.5034, 87.8146 looks on a white background.

Color Contrast Check

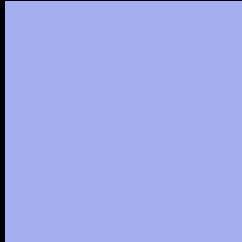
Large Text (above 18pt) WCAG AA × Fail

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 46.2331, 44.5034, 87.8146 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 46.2331, 44.5034, 87.8146

Background



This preview shows how black text looks on a background with the XYZ color 46.2331, 44.5034, 87.8146.



This preview shows how white text looks on a background with the XYZ color 46.2331, 44.5034,

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

46.2331, 44.5034, 87.8146

Protanopia

45.3562, 44.3221, 88.6026

Deuteranopia

45.6079, 44.4690, 87.8409



Tritanopia

40.5163, 44.5550, 59.2879

Trichromacy



Original Color

46.2331, 44.5034, 87.8146

Protanomaly

45.7561, 44.5283, 88.6213

Deuteranomaly

45.8103, 44.5733, 87.8504

Tritanomaly

42.3018, 44.3646, 68.6210

Monochromacy



Original Color

46.2331, 44.5034, 87.8146

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.7203, 44.6600, 61.5743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2331, 44.5034, 87.8146 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(165, 174, 239)` looks like.

```
.text, #text, p{  
    color:rgb(165, 174, 239)  
}
```

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(165, 174, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 174, 239) }
```

Border

The CSS property to change the border of an element to XYZ 46.2331, 44.5034, 87.8146 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(165, 174, 239) }
```


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

```
.border{ border-color:rgb(165, 174, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 174, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 174, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 174, 239);  
box-shadow:4px 4px 4px 4px rgb(165, 174,  
239) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2331, 44.5034, 87.8146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 174, 239) }
```

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

```
.background{ background-color: rgb(165,  
174, 239) }
```

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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