

Converting Colors

XYZ(46.7166, 45.0074, 89.8287)

Have a look what the booklet for
XYZ(46.7166, 45.0074, 89.8287)
contains.

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Color

**XYZ(46.7242, 45.0102,
89.4443)**

Conversions

Conversions Part 1

Format	Color
Hex	A5AFF1
RGB	165, 175, 241
RGB Percent	65%, 69%, 95%
CMY	0.3529, 0.3137, 0.0549
CMYK	0.32, 0.27, 0.00, 0.05
HSL	232°, 73%, 80%
HSV	232°, 32%, 95%
XYZ	46.7242, 45.0102, 89.4443
YIQ	179.5340, -27.1460, 18.4060

Conversions

Conversions Part 2

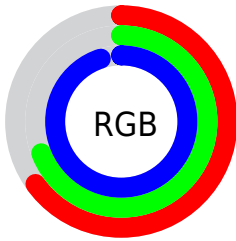
Format	Color
R _Y B	165, 174, 241
Decimal	10858481
CIE Lab	72.90, 11.43, -34.04
CIE LCh	73, 35.904, 288.562
Yxy	45.0102, 0.2579, 0.2484
Android (android.graphics.Color)	4289048561 (0xFFA5AFF1)
YUV	179.5340, 30.3027, -12.7463
Hunter-Lab	67.0896, 6.9084, -32.0830

Details

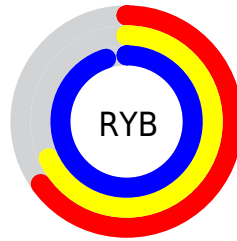
The XYZ color **46.7242, 45.0102, 89.4443** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **71.6439, 78.5699, 46.9883**, and the grayscale version is **42.9875, 45.2262, 49.2514**.

A 20% lighter version of the original color is **76.4710, 79.3432, 105.8921**, and **22.3955, 21.0482, 48.7813** is the 20% darker color. If you saturate the color by 10%, you get **38.4133, 35.1410, 87.9782**, and if you desaturate by 10%, it is **56.6139, 56.6323, 91.1671**.

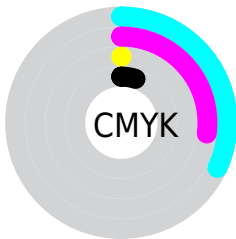
Distribution



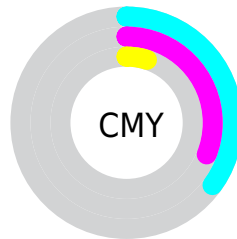
- Red (65%)
- Green (69%)
- Blue (95%)



- Red (65%)
- Yellow (68%)
- Blue (95%)



- Cyan (32%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)



- Cyan (35%)
- Magenta (31%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.7242, 45.0102, 89.4443 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 46.7242, 45.0102, 89.4443 by changing the saturation by 10% instead.

■ 46.7242, 45.0102,
89.4443

■ 46.7242, 45.0102,
89.4443

364.3799,
366.8149, 546.7449

■ 33.0247, 31.4655,
66.9487

■ 84.5230, 82.7357,
148.4950

■ 22.3047, 20.9535,
48.5816

■ 109.3531,
107.6853, 185.8873

■ 14.1988, 13.0900,
33.9245

138.6241,
137.2053, 229.0821

■ 8.3417, 7.4906,
22.5587

172.7013,
171.6800, 278.4982

■ 4.3680, 3.7708,
14.0658

211.9501,
211.4940, 334.5539

■ 1.9124, 1.5462,
8.0271

256.7359,

■ 0.5840, 0.3209,

257.0315, 397.6680

4.0243

307.4241,
308.6770, 468.2588

■ 0.0000, 0.0000,
1.6387

■ 0.0000, 0.0000,
0.3182

■ 46.7242, 45.0102,
89.4443

■ 46.7242, 45.0102,
89.4443

■ 38.4133, 35.1410,
87.9782

■ 56.6139, 56.6323,
91.1671

■ 31.5945, 26.9343,
86.7535

■ 68.1541, 70.0817,
93.1549

■ 26.1797, 20.2989,
85.7582

■ 81.4173, 85.4346,
95.4193

■ 22.0693, 15.1332,
84.9777

■ 92.8773, 99.1309,
97.4589

■ 19.1505, 11.3230,
84.3961

■ 17.2905, 8.7367,
83.9949

■ 16.3861, 7.3685,
83.7785

Harmonies

Analogous

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



40.4400, 45.0102, 91.1085



46.7242, 45.0102, 89.4443



52.4442, 45.0102, 75.5180

Triad

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



46.7242, 45.0102, 89.4443



51.2433, 45.0102, 27.4581



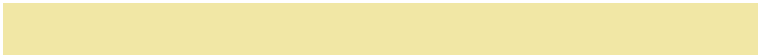
32.0434, 45.0102, 42.4908

Complementary

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



46.7242, 45.0102, 89.4443



71.6439, 78.5699, 46.9883

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.



34.3841, 45.0102, 29.5662



46.7242, 45.0102, 89.4443



45.2103, 45.0102, 22.4092

Square

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



46.7242, 45.0102, 89.4443



55.2235, 45.0102, 38.8424



39.0658, 45.0102, 23.0729



32.3634, 45.0102, 60.8095

Rectangle

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



46.7242, 45.0102, 89.4443



54.9791, 45.0102, 62.7050



39.0658, 45.0102, 23.0729



32.5351, 45.0102, 37.4674

Sweetspot

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



46.7257, 45.0119, 89.4453



81.0733, 83.8409, 106.5176



61.3785, 76.6729, 87.0679



16.9021, 17.4224, 22.7220



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.



46.7257, 45.0119, 89.4453



46.7050, 43.5687, 100.5557



51.2920, 44.5826, 89.1218



15.0649, 15.5640, 19.9317



8.9398, 4.1038, 45.4488



0.7964, 0.4468, 3.7985

Inverse Universe

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



57.4699, 48.7077, 46.9318



60.8204, 48.6824, 44.6446



65.7272, 79.7943, 47.5365



15.8575, 15.7927, 16.8056



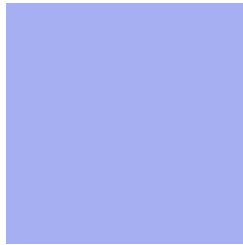
19.8380, 10.2076, 1.7976



1.6769, 0.8598, 0.2896

Previews

White Background



This preview shows how the XYZ color 46.7242, 45.0102, 89.4443 looks on a white background.

Color Contrast Check

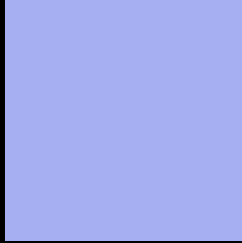
Large Text (above 18pt) WCAG AA × Fail

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 46.7242, 45.0102, 89.4443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

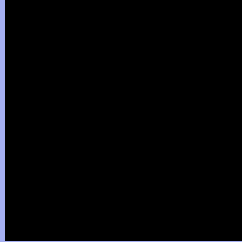
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.7242, 45.0102, 89.4443

Background



This preview shows how black text looks on a background with the XYZ color 46.7242, 45.0102, 89.4443.



This preview shows how white text looks on a background with the XYZ color 46.7242, 45.0102,

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

46.7242, 45.0102, 89.4443

Protanopia

46.0496, 44.9351, 90.2507

Deuteranopia

46.1005, 44.9786, 89.4711



Tritanopia

40.8368, 45.0121, 59.9620

Trichromacy



Original Color

46.7242, 45.0102, 89.4443

Protanomaly

46.4526, 45.1429, 90.2695

Deuteranomaly

46.3028, 45.0829, 89.4805

Tritanomaly

42.7569, 44.8685, 70.0253

Monochromacy



Original Color

46.7242, 45.0102, 89.4443

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

44.2603, 45.2190, 62.2725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.7242, 45.0102, 89.4443 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, 175, 241)` looks like.

```
.text, #text, p{  
    color:rgb(165, 175, 241)  
}
```

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, 175, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 175, 241) }
```

Border

The CSS property to change the border of an element to XYZ 46.7242, 45.0102, 89.4443 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, 175, 241) }
```


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

```
.border{ border-color:rgb(165, 175, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 175, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 175, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 175, 241);  
box-shadow:4px 4px 4px 4px rgb(165, 175,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 46.7242, 45.0102, 89.4443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 175, 241) }
```

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

```
.background{ background-color: rgb(165,  
175, 241) }
```

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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