

Converting Colors

XYZ(45.3911, 39.4498, 66.5945)

Have a look what the booklet for
XYZ(45.3911, 39.4498, 66.5945)
contains.

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Color

**XYZ(45.4715, 39.4833,
66.8524)**

Conversions

Conversions Part 1

Format	Color
Hex	C19BD3
RGB	193, 155, 211
RGB Percent	76%, 61%, 83%
CMY	0.2431, 0.3921, 0.1725
CMYK	0.09, 0.27, 0.00, 0.17
HSL	281°, 39%, 72%
HSV	281°, 27%, 83%
XYZ	45.4715, 39.4833, 66.8524
YIQ	172.7460, 4.6720, 25.4720

Conversions

Conversions Part 2

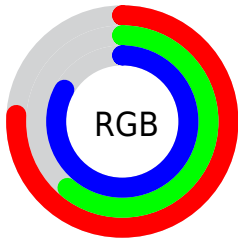
Format	Color
R_{YB}	193, 155, 211
Decimal	12688339
CIE _{Lab}	69.10, 24.24, -23.26
CIE _{LCh}	69, 33.600, 316.183
Yxy	39.4833, 0.2995, 0.2601
Android (android.graphics.Color)	4290878419 (0xFFC19BD3)
YUV	172.7460, 18.8592, 17.7628
Hunter-Lab	62.8357, 19.2102, -19.0950

Details

The XYZ color **45.4715, 39.4833, 66.8524** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **46.4456, 57.8403, 39.7286**, and the grayscale version is **39.4976, 41.5546, 45.2530**.

A 20% lighter version of the original color is **80.5209, 73.6372, 104.5772**, and **21.4985, 17.5898, 33.7146** is the 20% darker color. If you saturate the color by 10%, you get **40.5729, 32.1935, 65.7041**, and if you desaturate by 10%, it is **51.0655, 48.0444, 68.2106**.

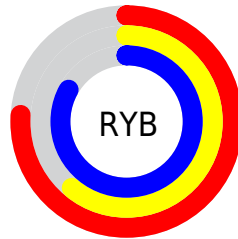
Distribution



Red (76%)

Green (61%)

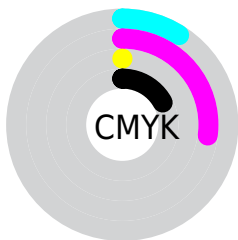
Blue (83%)



Red (76%)

Yellow (61%)

Blue (83%)

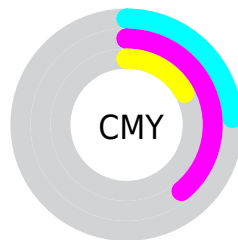


Cyan (9%)

Magenta (27%)

Yellow (0%)

Black (17%)



Cyan (24%)


Magenta (39%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.4715, 39.4833, 66.8524 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 45.4715, 39.4833, 66.8524 by changing the saturation by 10% instead.


 45.4715, 39.4833,
66.8524

 45.4715, 39.4833,
66.8524


359.4315,
343.9409, 467.9064

 32.0318, 27.1359,
48.5038


 82.6602, 74.3761,
116.3475

 21.5415, 17.6753,
33.8632


 107.1400, 97.6902,
148.3312

 13.6351, 10.7171,
22.5120


136.0305,
125.4288, 185.6969

 7.9473, 5.8770,
14.0317

169.6970,
157.9761, 228.8634

 4.1128, 2.7704,
8.0037

208.5051,
195.7165, 278.2490

 1.7661, 1.0131,
4.0095

252.8199,

 0.4971, 0.0000,

239.0346, 334.2723

1.6306

303.0069,
288.3146, 397.3520

■ 0.0000, 0.0000,
0.3125

■ 0.0000, 0.0000,
0.0000

■ 45.4715, 39.4833,
66.8524

■ 45.4715, 39.4833,
66.8524

■ 40.5729, 32.1935,
65.7041

■ 51.0655, 48.0444,
68.2106

■ 36.3328, 26.1056,
64.7525

■ 57.3818, 57.9316,
69.7862

■ 32.7168, 21.1512,
63.9868

■ 64.4502, 69.2024,
71.5891

■ 29.6852, 17.2526,
63.3941

■ 72.2979, 81.9095,
73.6282

27.1934, 14.3223,
62.9598

79.1691, 92.5400,
75.3179

25.1894, 12.2581,
62.6670

81.3498, 93.6641,
75.4200

23.6071, 10.9293,
62.4939

83.6156, 94.8322,
75.5260

23.1165, 10.5587,
62.4482

85.9676, 96.0447,
75.6361

88.4066, 97.3020,
75.7502

Harmonies

Analogous

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



40.4759, 39.4833, 78.0502



45.4715, 39.4833, 66.8524



48.4591, 39.4833, 50.4367

Triad

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



45.4715, 39.4833, 66.8524



40.0448, 39.4833, 20.2156



28.4694, 39.4833, 51.7587

Complementary

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



45.4715, 39.4833, 66.8524



46.4456, 57.8403, 39.7286

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.



28.3778, 39.4833, 36.3159



45.4715, 39.4833, 66.8524



34.7262, 39.4833, 20.4071

Square

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



45.4715, 39.4833, 66.8524



45.1301, 39.4833, 25.0071



30.5675, 39.4833, 25.6130



30.8310, 39.4833, 68.0168

Rectangle

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



45.4715, 39.4833, 66.8524



48.7423, 39.4833, 39.8873



30.5675, 39.4833, 25.6130



28.1804, 39.4833, 46.2508

Sweetspot

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



45.4728, 39.4850, 66.8533



86.5125, 86.4453, 106.7337



40.3487, 41.8169, 67.5734



18.1917, 17.9905, 22.7637



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.



45.4728, 39.4850, 66.8533



65.3104, 53.8811, 101.5656



49.2077, 41.5417, 61.0961



11.9259, 11.8107, 14.8948



14.0617, 6.4293, 37.6923



0.8671, 0.4012, 2.1113

Inverse Universe

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



46.1294, 40.3104, 44.8864



66.6424, 55.4536, 61.6078



43.5442, 56.2505, 43.8442



11.9631, 11.8700, 13.0816



16.8805, 8.6251, 4.2772



0.9799, 0.4967, 0.4289

Previews

White Background



This preview shows how the XYZ color 45.4715, 39.4833, 66.8524 looks on a white background.

Color Contrast Check

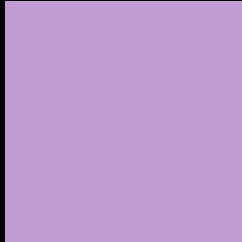
Large Text (above 18pt) WCAG AA × Fail

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 45.4715, 39.4833, 66.8524 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

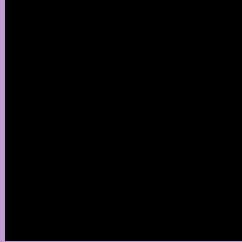
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.4715, 39.4833, 66.8524

Background



This preview shows how black text looks on a background with the XYZ color 45.4715, 39.4833, 66.8524.



This preview shows how white text looks on a background with the XYZ color 45.4715, 39.4833,

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

45.4715, 39.4833, 66.8524

Protanopia

40.2546, 39.7733, 73.2655

Deuteranopia

40.4808, 39.5130, 65.8148



Tritanopia

41.1517, 39.5006, 46.0129

Trichromacy



Original Color

45.4715, 39.4833, 66.8524

Protanomaly

41.9838, 39.6392, 71.0840

Deuteranomaly

42.0569, 39.2568, 66.3335

Tritanomaly

42.4615, 39.2459, 52.9142

Monochromacy



Original Color

45.4715, 39.4833, 66.8524

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.4282, 40.5636, 52.6598

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.4715, 39.4833, 66.8524 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(193, 155, 211)` looks like.

```
.text, #text, p{  
    color:rgb(193, 155, 211)  
}
```

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(193, 155, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 155, 211) }
```

Border

The CSS property to change the border of an element to XYZ 45.4715, 39.4833, 66.8524 is called "border". The border property can be set on classes, ids or directly on the HTML element.

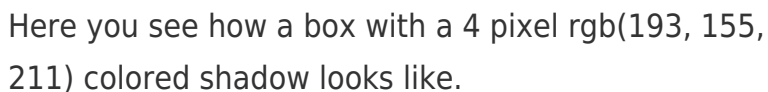
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 155, 211) }
```


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

```
.border{ border-color:rgb(193, 155, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(193, 155, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 155, 211); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 155, 211); box-shadow:4px 4px 4px 4px rgb(193, 155, 211) }
```

Background

The CSS property to change the background color of an element to XYZ 45.4715, 39.4833, 66.8524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 155, 211) }
```

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

```
.background{ background-color: rgb(193,  
155, 211) }
```

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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