

Converting Colors

XYZ(46.3090, 39.5033, 79.6404)

Have a look what the booklet for
XYZ(46.3090, 39.5033, 79.6404)
contains.

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Color

**XYZ(46.1920, 39.3331,
79.2862)**

Conversions

Conversions Part 1

Format	Color
Hex	BB9AE5
RGB	187, 154, 229
RGB Percent	73%, 60%, 90%
CMY	0.2667, 0.3961, 0.1020
CMYK	0.18, 0.33, 0.00, 0.10
HSL	266°, 59%, 75%
HSV	266°, 33%, 90%
XYZ	46.1920, 39.3331, 79.2862
YIQ	172.4170, -4.4070, 30.3210

Conversions

Conversions Part 2

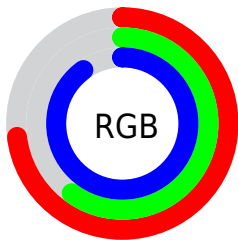
Format	Color
R_{YB}	187, 154, 229
Decimal	12294885
CIE _{Lab}	68.99, 26.76, -33.39
CIE _{LCh}	69, 42.797, 308.711
Yxy	39.3331, 0.2803, 0.2387
Android (android.graphics.Color)	4290484965 (0xFFBB9AE5)
YUV	172.4170, 27.8954, 12.7893
Hunter-Lab	62.7161, 21.7166, -31.0536

Details

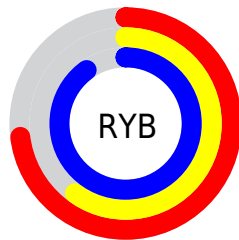
The XYZ color **46.1920, 39.3331, 79.2862** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **56.6180, 70.1083, 41.1216**, and the grayscale version is **39.2896, 41.3357, 45.0146**.

A 20% lighter version of the original color is **78.1587, 72.0540, 104.3962**, and **22.0659, 17.7042, 41.7894** is the 20% darker color. If you saturate the color by 10%, you get **39.7686, 30.9368, 78.0047**, and if you desaturate by 10%, it is **53.6192, 49.3189, 80.8228**.

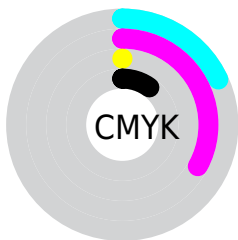
Distribution



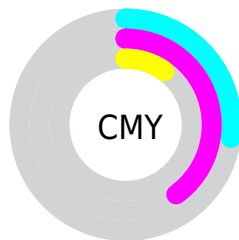
- Red (73%)
- Green (60%)
- Blue (90%)



- Red (73%)
- Yellow (60%)
- Blue (90%)



- Cyan (18%)
- Magenta (33%)
- Yellow (0%)
- Black (10%)



- Cyan (27%)
- Magenta (40%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.1920, 39.3331, 79.2862 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 46.1920, 39.3331, 79.2862 by changing the saturation by 10% instead.

46.1920, 39.3331,
79.2862

46.1920, 39.3331,
79.2862

362.2830,
343.3046, 512.1672

32.6026, 27.0190,
58.6084

83.7324, 74.1469,
134.1640

21.9800, 17.5875,
41.8801

108.4141, 97.4154,
169.2011

13.9587, 10.6542,
28.6825

137.5239,
125.1040, 209.8618

8.1735, 5.8348,
18.5973

171.4273,
157.5973, 256.5646

4.2589, 2.7449,
11.2058

210.4896,
195.2796, 309.7280

1.8496, 1.0001,
6.0895

255.0760,

0.5473, 0.0000,

238.5354, 369.7705

2.8299

305.5521,
287.7489, 437.1107

■ 0.0000, 0.0000,
1.0085

■ 0.0000, 0.0000,
0.0000

■ 46.1920, 39.3331,
79.2862

■ 46.1920, 39.3331,
79.2862

■ 39.7686, 30.9368,
78.0047

■ 53.6192, 49.3189,
80.8228

■ 34.2965, 24.0392,
76.9618

■ 62.0912, 60.9688,
82.6250

■ 29.7244, 18.5476,
76.1428

■ 71.6511, 74.3584,
84.7056

■ 25.9934, 14.3562,
75.5304

■ 82.3386, 89.5569,
87.0759

■ 23.0367, 11.3438,
75.1048

■ 89.7308, 97.7092,
88.2598

■ 20.7750, 9.3647,
74.8420

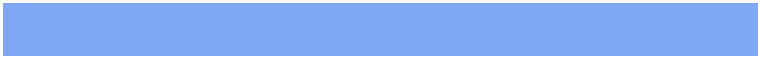
■ 91.1430, 98.4372,
88.3259

■ 19.4831, 8.4101,
74.7258

Harmonies

Analogous

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



39.4045, 39.3331, 91.6550



46.1920, 39.3331, 79.2862



50.9699, 39.3331, 57.9464

Triad

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



46.1920, 39.3331, 79.2862



42.3465, 39.3331, 16.5156



25.8720, 39.3331, 48.7649

Complementary

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



46.1920, 39.3331, 79.2862



56.6180, 70.1083, 41.1216

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.



26.4576, 39.3331, 30.5969



46.1920, 39.3331, 79.2862



35.4356, 39.3331, 15.4138

Square

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



46.1920, 39.3331, 79.2862



48.5688, 39.3331, 23.3856



29.7751, 39.3331, 19.7131



28.0649, 39.3331, 70.8407

Rectangle

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



46.1920, 39.3331, 79.2862



52.0730, 39.3331, 43.6768



29.7751, 39.3331, 19.7131



25.7565, 39.3331, 41.9884

Sweetspot

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



46.1933, 39.3347, 79.2871



82.3880, 82.1873, 106.1292



47.3235, 52.2343, 81.7174



17.2781, 17.0950, 22.6390



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.



46.1933, 39.3347, 79.2871



53.4982, 43.0305, 100.0938



56.4400, 44.6170, 79.7666



14.1816, 14.1959, 18.1370



11.2726, 4.8771, 42.7304



0.9382, 0.4146, 3.1626

Inverse Universe

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



53.8336, 43.7562, 57.8341



64.8413, 49.6015, 67.9435



48.1513, 65.7436, 40.7254



14.7133, 14.5025, 16.6904



20.7733, 10.4435, 12.9672



1.5816, 0.7904, 1.2033

Previews

White Background



This preview shows how the XYZ color 46.1920, 39.3331, 79.2862 looks on a white background.

Color Contrast Check

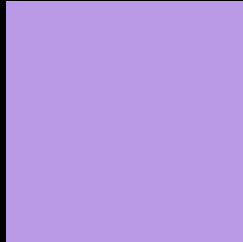
Large Text (above 18pt) WCAG AA × Fail

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 46.1920, 39.3331, 79.2862 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 46.1920, 39.3331, 79.2862

Background



This preview shows how black text looks on a background with the XYZ color 46.1920, 39.3331, 79.2862.



This preview shows how white text looks on a background with the XYZ color 46.1920, 39.3331,

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

46.1920, 39.3331, 79.2862

Protanopia

40.9229, 39.5565, 86.3672

Deuteranopia

40.4502, 39.4939, 78.1642



Tritanopia

39.5714, 39.1902, 47.0738

Trichromacy



Original Color

46.1920, 39.3331, 79.2862

Protanomaly

42.6137, 39.4159, 83.9593

Deuteranomaly

42.4410, 39.4414, 78.7749

Tritanomaly

41.5907, 38.9509, 57.5508

Monochromacy



Original Color

46.1920, 39.3331, 79.2862

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

41.2122, 40.1076, 56.0215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.1920, 39.3331, 79.2862 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(187, 154, 229)` looks like.

```
.text, #text, p{  
    color:rgb(187, 154, 229)  
}
```

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(187, 154, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 154, 229) }
```

Border

The CSS property to change the border of an element to XYZ 46.1920, 39.3331, 79.2862 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(187, 154, 229) }
```


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

```
.border{ border-color:rgb(187, 154, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 154, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 154, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 154, 229);  
box-shadow:4px 4px 4px 4px rgb(187, 154,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 46.1920, 39.3331, 79.2862 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 154, 229) }
```

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

```
.background{ background-color: rgb(187,  
154, 229) }
```

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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