

Converting Colors

XYZ(39.7721, 35.6835, 46.4523)

Have a look what the booklet for
XYZ(39.7721, 35.6835, 46.4523)
contains.

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Color

**XYZ(39.8284, 35.8058,
46.4070)**

Conversions

Conversions Part 1

Format	Color
Hex	BD96B1
RGB	189, 150, 177
RGB Percent	74%, 59%, 69%
CMY	0.2588, 0.4117, 0.3059
CMYK	0.00, 0.21, 0.06, 0.26
HSL	318°, 23%, 66%
HSV	318°, 21%, 74%
XYZ	39.8284, 35.8058, 46.4070
YIQ	164.7390, 14.5770, 16.6650

Conversions

Conversions Part 2

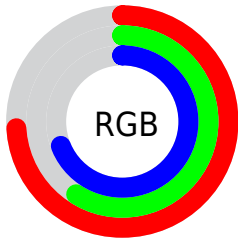
Format	Color
RYB	189, 150, 177
Decimal	12424881
CIELab	66.37, 19.11, -8.49
CIELCh	66, 20.911, 336.039
Yxy	35.8058, 0.3264, 0.2934
Android (android.graphics.Color)	4290614961 (0xFFBD96B1)
YUV	164.7390, 6.0447, 21.2769
Hunter-Lab	59.8379, 14.0940, -4.0955

Details

The XYZ color **39.8284, 35.8058, 46.4070** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.2983, 45.4888, 40.9988**, and the grayscale version is **35.6071, 37.4615, 40.7955**.

A 20% lighter version of the original color is **74.3069, 68.6618, 86.4274**, and **18.0916, 15.5298, 21.1128** is the 20% darker color. If you saturate the color by 10%, you get **36.4852, 30.0269, 42.4934**, and if you desaturate by 10%, it is **43.6849, 42.5706, 50.6144**.

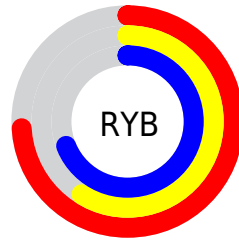
Distribution



Red (74%)

Green (59%)

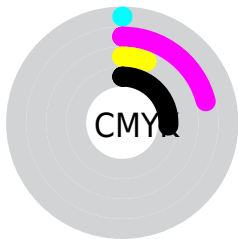
Blue (69%)



Red (74%)

Yellow (59%)

Blue (69%)

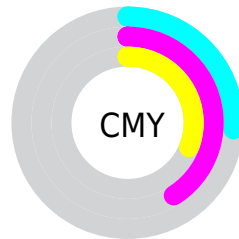


Cyan (0%)

Magenta (21%)

Yellow (6%)

Black (26%)



Cyan (26%)


Magenta (41%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8284, 35.8058, 46.4070 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 39.8284, 35.8058, 46.4070 by changing the saturation by 10% instead.


 39.8284, 35.8058,
46.4070


 39.8284, 35.8058,
46.4070


336.5466,
328.1109, 388.7675

 27.5884, 24.2842,
32.2161

 74.1881, 68.7322,
86.1685

 18.1545, 15.5446,
21.2605


 97.0386, 90.9059,
112.5762

 11.1613, 9.2025,
13.1214


124.1565,
117.3990, 143.8932

 6.2435, 4.8735,
7.3805

155.9074,
148.5961, 180.5381

 3.0358, 2.1732,
3.6191

192.6564,
184.8814, 222.9295

 1.1727, 0.7053,
1.4188

234.7691,

 0.0847, 0.0000,

226.6394, 271.4858

0.1563

282.6107,
274.2544, 326.6256

■ 0.0000, 0.0000,
0.0000

■ 39.8284, 35.8058,
46.4070

■ 39.8284, 35.8058,
46.4070

■ 36.4852, 30.0269,
42.4934

■ 43.6849, 42.5706,
50.6144

■ 33.6284, 25.1825,
38.8620

■ 48.0735, 50.3601,
55.1221

■ 31.2337, 21.2236,
35.5035

■ 53.0159, 59.2168,
59.9393

■ 29.2732, 18.0950,
32.4071

■ 58.5318, 69.1794,
65.0739

■ 27.7158, 15.7351,
29.5608

■ 64.6397, 80.2847,
70.5334

■ 26.5262, 14.0737,
26.9512

■ 68.6171, 87.0872,
75.4119

■ 25.6626, 13.0278,
24.5627

■ 69.3638, 87.3858,
79.3438

■ 25.0725, 12.4533,
22.4988

■ 70.1371, 87.6952,
83.4163

■ 70.9375, 88.0153,
87.6308

Harmonies

Analogous

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



37.6941, 35.8058, 54.6359



39.8284, 35.8058, 46.4070



40.3693, 35.8058, 37.2027

Triad

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



39.8284, 35.8058, 46.4070



33.4037, 35.8058, 24.2458



29.3978, 35.8058, 50.0214

Complementary

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



39.8284, 35.8058, 46.4070



37.2983, 45.4888, 40.9988

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.



28.3959, 35.8058, 40.8263



39.8284, 35.8058, 46.4070



30.6157, 35.8058, 26.6530

Square

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



39.8284, 35.8058, 46.4070



36.5333, 35.8058, 25.2717



28.8278, 35.8058, 32.4023



31.6482, 35.8058, 56.9362

Rectangle

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



39.8284, 35.8058, 46.4070



39.7262, 35.8058, 31.9047



28.8278, 35.8058, 32.4023



28.9103, 35.8058, 47.0454

Sweetspot

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



39.8295, 35.8074, 46.4078



81.6843, 82.3405, 94.2446



34.9325, 33.1386, 52.6999



17.4570, 17.5139, 20.1546



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.8295, 35.8074, 46.4078



68.3670, 58.9808, 79.7093



38.0482, 35.0949, 37.0279



9.8015, 9.6449, 11.3439



16.9048, 8.3931, 15.3243



0.6902, 0.3400, 0.7477

Inverse Universe

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



39.8295, 35.8074, 46.4078



68.3670, 58.9808, 79.7093



39.1375, 46.2245, 50.6841



9.8015, 9.6449, 11.3439



16.9048, 8.3931, 15.3243



0.6902, 0.3400, 0.7477

Previews

White Background



This preview shows how the XYZ color 39.8284, 35.8058, 46.4070 looks on a white background.

Color Contrast Check

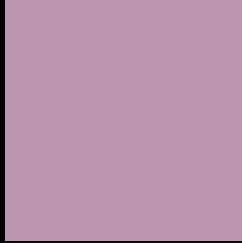
Large Text (above 18pt) WCAG AA × Fail

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 39.8284, 35.8058, 46.4070 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 39.8284, 35.8058, 46.4070

Background



This preview shows how black text looks on a background with the XYZ color 39.8284, 35.8058, 46.4070.



This preview shows how white text looks on a background with the XYZ color 39.8284, 35.8058,

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

39.8284, 35.8058, 46.4070

Protanopia

35.3231, 35.8714, 50.4095

Deuteranopia

36.6880, 35.9065, 46.0713



Tritanopia

38.4226, 35.7016, 39.9880

Trichromacy



Original Color

39.8284, 35.8058, 46.4070

Protanomaly

36.5911, 35.5481, 48.6490

Deuteranomaly

37.7522, 35.7108, 45.9774

Tritanomaly

38.9671, 35.6892, 42.3710

Monochromacy



Original Color

39.8284, 35.8058, 46.4070

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

37.1878, 37.0049, 42.7188

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8284, 35.8058, 46.4070 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(189, 150, 177)` looks like.

```
.text, #text, p{  
    color:rgb(189, 150, 177)  
}
```

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(189, 150, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 150, 177) }
```

Border

The CSS property to change the border of an element to XYZ 39.8284, 35.8058, 46.4070 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(189, 150, 177) }
```


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

```
.border{ border-color:rgb(189, 150, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 150, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 150, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 150, 177);  
box-shadow:4px 4px 4px 4px rgb(189, 150,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8284, 35.8058, 46.4070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 150, 177) }
```

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

```
.background{ background-color: rgb(189,  
150, 177) }
```

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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