

Converting Colors

XYZ(40.0015, 32.1582, 49.5290)

Have a look what the booklet for
XYZ(40.0015, 32.1582, 49.5290)
contains.

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Color

**XYZ(39.8042, 31.9715,
49.4206)**

Conversions

Conversions Part 1

Format	Color
Hex	C485B8
RGB	196, 133, 184
RGB Percent	77%, 52%, 72%
CMY	0.2314, 0.4784, 0.2784
CMYK	0.00, 0.32, 0.06, 0.23
HSL	311°, 35%, 65%
HSV	311°, 32%, 77%
XYZ	39.8042, 31.9715, 49.4206
YIQ	157.6510, 21.1770, 29.2170

Conversions

Conversions Part 2

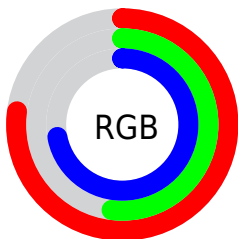
Format	Color
R _Y B	196, 133, 184
Decimal	12879288
CIE Lab	63.32, 32.19, -16.94
CIE LCh	63, 36.376, 332.237
Yxy	31.9715, 0.3284, 0.2638
Android (android.graphics.Color)	4291069368 (0xFFC485B8)
YUV	157.6510, 12.9901, 33.6321
Hunter-Lab	56.5433, 26.7058, -12.2409

Details

The XYZ color **39.8042, 31.9715, 49.4206** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.5250, 46.5117, 33.9480**, and the grayscale version is **32.2786, 33.9596, 36.9820**.

A 20% lighter version of the original color is **74.0065, 62.7146, 90.6426**, and **18.0985, 13.3360, 23.0929** is the 20% darker color. If you saturate the color by 10%, you get **36.9810, 26.9428, 46.5742**, and if you desaturate by 10%, it is **43.1403, 38.0086, 52.4896**.

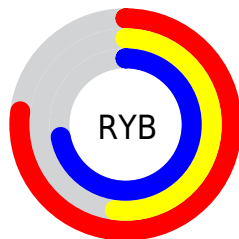
Distribution



Red (77%)

Green (52%)

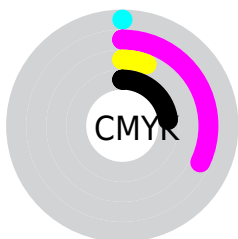
Blue (72%)



Red (77%)

Yellow (52%)

Blue (72%)

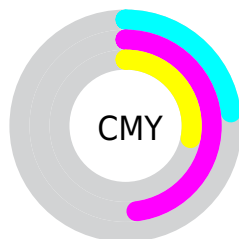


Cyan (0%)

Magenta (32%)

Yellow (6%)

Black (23%)



Cyan (23%)


Magenta (48%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8042, 31.9715, 49.4206 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 39.8042, 31.9715, 49.4206 by changing the saturation by 10% instead.


 39.8042, 31.9715,
49.4206


 39.8042, 31.9715,
49.4206


336.4462,
310.9894, 401.0658


 27.5694, 21.3397,
34.5853


 74.1515, 62.7664,
90.7033

 18.1401, 13.3726,
23.0626


 96.9948, 83.6983,
117.9877

 11.1510, 7.6856,
14.4340


 124.1049,
108.8324, 150.2589

 6.2365, 3.8944,
8.2810

155.8473,
138.5531, 187.9355

 3.0314, 1.6147,
4.1849

192.5872,
173.2448, 231.4359

 1.1704, 0.3675,
1.7273

234.6901,

 0.0828, 0.0000,

213.2918, 281.1787

0.3794

282.5213,
259.0785, 337.5825

■ 0.0000, 0.0000,
0.0000

■ 39.8042, 31.9715,
49.4206

■ 39.8042, 31.9715,
49.4206

■ 36.9810, 26.9428,
46.5742

■ 43.1403, 38.0086,
52.4896

■ 34.6399, 22.8623,
43.9388

■ 47.0123, 45.1012,
55.7883

■ 32.7511, 19.6702,
41.5043

■ 51.4452, 53.2988,
59.3257

■ 31.2803, 17.2979,
39.2589

■ 56.4615, 62.6464,
63.1096

■ 30.1882, 15.6669,
37.1892

■ 62.0826, 73.1866,
67.1476

■ 29.4278, 14.6835,
35.2790

■ 68.3288, 84.9597,
71.4468

■ 28.9942, 14.2275,
33.8666

■ 70.1751, 87.9158,
74.3326

■ 70.6462, 88.1043,
76.8136

■ 71.1283, 88.2971,
79.3522

Harmonies

Analogous

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



35.8610, 31.9715, 63.9907



39.8042, 31.9715, 49.4206



41.1469, 31.9715, 33.7385

Triad

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



39.8042, 31.9715, 49.4206



30.0109, 31.9715, 13.7782



22.8999, 31.9715, 51.8310

Complementary

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



39.8042, 31.9715, 49.4206



34.5250, 46.5117, 33.9480

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.



21.6898, 31.9715, 35.9071



39.8042, 31.9715, 49.4206



25.5021, 31.9715, 16.2051

Square

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



39.8042, 31.9715, 49.4206



35.1337, 31.9715, 15.5625



22.5878, 31.9715, 23.4089



26.0900, 31.9715, 65.6315

Rectangle

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



39.8042, 31.9715, 49.4206



40.2792, 31.9715, 25.3218



22.5878, 31.9715, 23.4089



22.2651, 31.9715, 46.4176

Sweetspot

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



39.8052, 31.9729, 49.4213



86.6755, 84.4868, 102.2990



29.9507, 26.7412, 55.8082



18.3186, 17.6531, 21.7054



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.



39.8052, 31.9729, 49.4213



68.2015, 50.9456, 85.6382



36.8993, 30.8106, 34.1191



10.4124, 10.2136, 12.2620



18.6600, 9.1537, 21.9192



0.8279, 0.4042, 1.0613

Inverse Universe

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



39.8052, 31.9729, 49.4213



68.2015, 50.9456, 85.6382



37.2554, 47.6039, 48.3263



10.4124, 10.2136, 12.2620



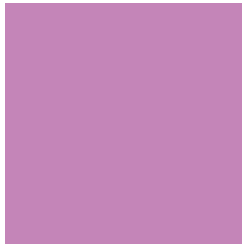
18.6600, 9.1537, 21.9192



0.8279, 0.4042, 1.0613

Previews

White Background



This preview shows how the XYZ color 39.8042, 31.9715, 49.4206 looks on a white background.

Color Contrast Check

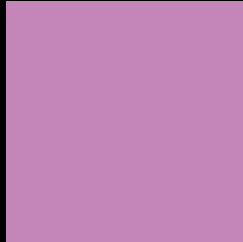
Large Text (above 18pt) WCAG AA × Fail

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 39.8042, 31.9715, 49.4206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

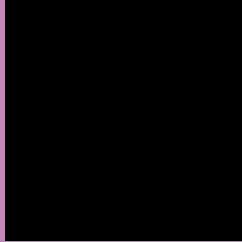
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8042, 31.9715, 49.4206

Background



This preview shows how black text looks on a background with the XYZ color 39.8042, 31.9715, 49.4206.



This preview shows how white text looks on a background with the XYZ color 39.8042, 31.9715,

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

39.8042, 31.9715, 49.4206

Protanopia

32.4616, 32.2385, 57.3351

Deuteranopia

32.7644, 32.1175, 48.1885



Tritanopia

36.4759, 31.8737, 33.0839

Trichromacy



Original Color

39.8042, 31.9715, 49.4206

Protanomaly

34.5401, 31.7380, 54.1747

Deuteranomaly

34.9943, 31.8700, 48.5631

Tritanomaly

37.4596, 31.8374, 38.3533

Monochromacy



Original Color

39.8042, 31.9715, 49.4206

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

34.7358, 33.0556, 41.1088

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8042, 31.9715, 49.4206 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(196, 133, 184)` looks like.

```
.text, #text, p{  
    color:rgb(196, 133, 184)  
}
```

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(196, 133, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 133, 184) }
```

Border

The CSS property to change the border of an element to XYZ 39.8042, 31.9715, 49.4206 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(196, 133, 184) }
```


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

```
.border{ border-color:rgb(196, 133, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 133, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 133, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 133, 184);  
box-shadow:4px 4px 4px 4px rgb(196, 133,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8042, 31.9715, 49.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 133, 184) }
```

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

```
.background{ background-color: rgb(196,  
133, 184) }
```

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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