

Converting Colors

XYZ(39.9888, 34.7058, 50.8920)

Have a look what the booklet for
XYZ(39.9888, 34.7058, 50.8920)
contains.

XYZ(39.9746, 34.6148, 51.0288)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(39.9746, 34.6148,
51.0288)**

Conversions

Conversions Part 1

Format	Color
Hex	BD91BA
RGB	189, 145, 186
RGB Percent	74%, 57%, 73%
CMY	0.2588, 0.4314, 0.2706
CMYK	0.00, 0.23, 0.02, 0.26
HSL	304°, 25%, 65%
HSV	304°, 23%, 74%
XYZ	39.9746, 34.6148, 51.0288
YIQ	162.8300, 13.0630, 22.0790

Conversions

Conversions Part 2

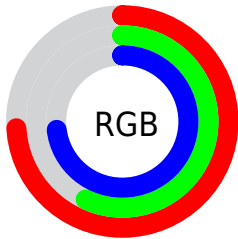
Format	Color
RYB	189, 145, 186
Decimal	12423610
CIELab	65.45, 23.55, -14.92
CIELCh	65, 27.879, 327.634
Yxy	34.6148, 0.3182, 0.2756
Android (android.graphics.Color)	4290613690 (0xFFBD91BA)
YUV	162.8300, 11.4228, 22.9511
Hunter-Lab	58.8343, 18.3205, -10.2400

Details

The XYZ color **39.9746, 34.6148, 51.0288** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.2214, 44.5541, 34.7624**, and the grayscale version is **34.6770, 36.4829, 39.7299**.

A 20% lighter version of the original color is **74.4565, 66.8505, 92.9836**, and **18.2280, 14.8498, 24.0959** is the 20% darker color. If you saturate the color by 10%, you get **37.1873, 29.2580, 49.4271**, and if you desaturate by 10%, it is **43.2456, 40.9360, 52.7987**.

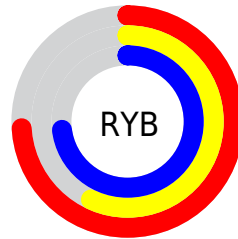
Distribution



Red (74%)

Green (57%)

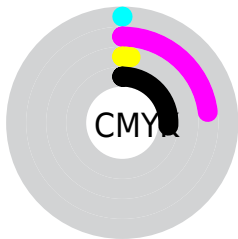
Blue (73%)



Red (74%)

Yellow (57%)

Blue (73%)

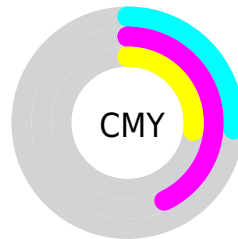


Cyan (0%)

Magenta (23%)

Yellow (2%)

Black (26%)



Cyan (26%)

Magenta (43%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9746, 34.6148, 51.0288 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 39.9746, 34.6148, 51.0288 by changing the saturation by 10% instead.

■ 39.9746, 34.6148,
51.0288

■ 39.9746, 34.6148,
51.0288

337.1528,
322.8648, 407.5254

■ 27.7029, 23.3663,
35.8546

■ 74.4094, 66.8886,
93.1093

■ 18.2411, 14.8642,
24.0331

■ 97.3032, 88.6827,
120.8527

■ 11.2240, 8.7241,
15.1458

124.4684,
114.7608, 153.6229

■ 6.2861, 4.5617,
8.7740

156.2703,
145.5072, 191.8385

■ 3.0621, 1.9925,
4.4993

193.0744,
181.3065, 235.9180

■ 1.1867, 0.6031,
1.9030

235.2459,

■ 0.0958, 0.0000,

222.5429, 286.2800

0.4947

283.1502,
269.6009, 343.3429

■ 0.0000, 0.0000,
0.0000

■ 39.9746, 34.6148,
51.0288

■ 39.9746, 34.6148,
51.0288

■ 37.1873, 29.2580,
49.4271

■ 43.2456, 40.9360,
52.7987

■ 34.8569, 24.8135,
47.9833

■ 47.0194, 48.2612,
54.7418

■ 32.9587, 21.2314,
46.6897

■ 51.3177, 56.6335,
56.8659

■ 31.4642, 18.4549,
45.5367

■ 56.1600, 66.0919,
59.1776

■ 30.3419, 16.4207,
44.5138

■ 61.5650, 76.6736,
61.6829

■ 29.5553, 15.0559,
43.6088

■ 66.4543, 86.2221,
64.0225

■ 29.0604, 14.2728,
42.8071

■ 66.5995, 86.2801,
64.7870

■ 28.8342, 13.9580,
42.3071

■ 66.7459, 86.3387,
65.5580

■ 66.8936, 86.3978,
66.3357

Harmonies

Analogous

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



36.6713, 34.6148, 61.2793



39.9746, 34.6148, 51.0288



41.3694, 34.6148, 38.6241

Triad

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



39.9746, 34.6148, 51.0288



33.2250, 34.6148, 19.4161



26.4335, 34.6148, 49.0892

Complementary

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



39.9746, 34.6148, 51.0288



35.2214, 44.5541, 34.7624

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.



25.6740, 34.6148, 36.7704



39.9746, 34.6148, 51.0288



29.3972, 34.6148, 21.0955

Square

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



39.9746, 34.6148, 51.0288



37.2771, 34.6148, 21.7312



26.7142, 34.6148, 26.9047



28.8803, 34.6148, 60.0067

Rectangle

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



39.9746, 34.6148, 51.0288



40.9496, 34.6148, 31.2904



26.7142, 34.6148, 26.9047



25.9817, 34.6148, 44.9068

Sweetspot

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



39.9757, 34.6163, 51.0295



81.5107, 81.1879, 96.6696



31.5129, 30.2164, 52.3162



17.4406, 17.2883, 20.7433



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.



39.9757, 34.6163, 51.0295



68.9089, 56.8264, 89.8727



37.8198, 33.7540, 39.6768



9.9011, 9.6847, 11.8683



19.4117, 9.3958, 28.5255



0.7689, 0.3715, 1.1623

Inverse Universe

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



39.9757, 34.6163, 51.0295



68.9089, 56.8264, 89.8727



37.1253, 45.3157, 44.7885



9.9011, 9.6847, 11.8683



19.4117, 9.3958, 28.5255



0.7689, 0.3715, 1.1623

Previews

White Background



This preview shows how the XYZ color 39.9746, 34.6148, 51.0288 looks on a white background.

Color Contrast Check

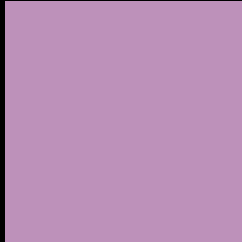
Large Text (above 18pt) WCAG AA × Fail

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 39.9746, 34.6148, 51.0288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

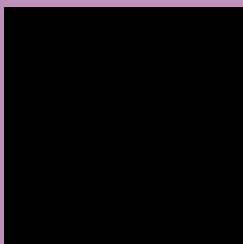
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9746, 34.6148, 51.0288

Background



This preview shows how black text looks on a background with the XYZ color 39.9746, 34.6148, 51.0288.



This preview shows how white text looks on a background with the XYZ color 39.9746, 34.6148,

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

39.9746, 34.6148, 51.0288

Protanopia

34.8397, 34.9732, 56.5440

Deuteranopia

35.4773, 34.6899, 50.1734



Tritanopia

37.5891, 34.8250, 38.4590

Trichromacy



Original Color

39.9746, 34.6148, 51.0288

Protanomaly

36.4227, 34.5876, 54.6256

Deuteranomaly

36.8368, 34.4067, 50.5986

Tritanomaly

38.3391, 34.6469, 42.6970

Monochromacy



Original Color

39.9746, 34.6148, 51.0288

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

36.2524, 35.4879, 43.4672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9746, 34.6148, 51.0288 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, 145, 186)` looks like.

```
.text, #text, p{  
    color:rgb(189, 145, 186)  
}
```

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, 145, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 145, 186) }
```

Border

The CSS property to change the border of an element to XYZ 39.9746, 34.6148, 51.0288 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, 145, 186) }
```


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

```
.border{ border-color:rgb(189, 145, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 145, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 145, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 145, 186); box-shadow:4px 4px 4px 4px rgb(189, 145, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9746, 34.6148, 51.0288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 145, 186) }
```

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

```
.background{ background-color: rgb(189,  
145, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor