

Converting Colors

XYZ(39.8385, 34.1662, 51.8886)

Have a look what the booklet for
XYZ(39.8385, 34.1662, 51.8886)
contains.

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Color

**XYZ(39.8858, 34.0946,
52.0557)**

Conversions

Conversions Part 1

Format	Color
Hex	BD8FBC
RGB	189, 143, 188
RGB Percent	74%, 56%, 74%
CMY	0.2588, 0.4392, 0.2627
CMYK	0.00, 0.24, 0.01, 0.26
HSL	301°, 26%, 65%
HSV	301°, 24%, 74%
XYZ	39.8858, 34.0946, 52.0557
YIQ	161.8840, 12.9710, 23.7470

Conversions

Conversions Part 2

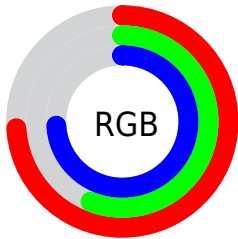
Format	Color
RYB	189, 143, 188
Decimal	12423100
CIELab	65.04, 25.04, -16.67
CIELCh	65, 30.077, 326.350
Yxy	34.0946, 0.3165, 0.2705
Android (android.graphics.Color)	4290613180 (0xFFBD8FBC)
YUV	161.8840, 12.8752, 23.7807
Hunter-Lab	58.3906, 19.7474, -11.9841

Details

The XYZ color **39.8858, 34.0946, 52.0557** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **34.5607, 44.2494, 33.1068**, and the grayscale version is **34.2267, 36.0091, 39.2140**.

A 20% lighter version of the original color is **74.3014, 66.0570, 94.4221**, and **18.1920, 14.5545, 24.7721** is the 20% darker color. If you saturate the color by 10%, you get **37.2402, 28.8736, 50.9560**, and if you desaturate by 10%, it is **43.0116, 40.2746, 53.3169**.

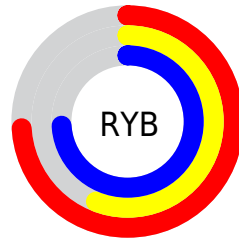
Distribution



Red (74%)

Green (56%)

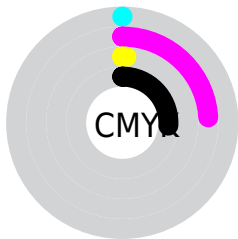
Blue (74%)



Red (74%)

Yellow (56%)

Blue (74%)

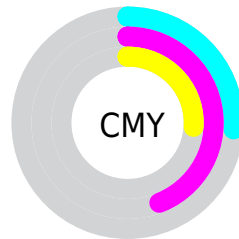


Cyan (0%)

Magenta (24%)

Yellow (1%)

Black (26%)



Cyan (26%)


Magenta (44%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8858, 34.0946, 52.0557 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 39.8858, 34.0946, 52.0557 by changing the saturation by 10% instead.


 39.8858, 34.0946,
52.0557


 39.8858, 34.0946,
52.0557


336.7847,
320.5537, 411.6147

 27.6333, 22.9663,
36.6669


 74.2750, 66.0808,
94.6408

 18.1885, 14.5686,
24.6559


 97.1425, 87.7074,
122.6742

 11.1859, 8.5172,
15.6042


124.2790,
113.6022, 155.7596

 6.2602, 4.4276,
9.0932

156.0499,
144.1497, 194.3154

 3.0461, 1.9155,
4.7044

192.8206,
179.7342, 238.7603

 1.1782, 0.5577,
2.0192

234.9564,

 0.0890, 0.0000,

220.7401, 289.5128

0.5670

282.8226,
267.5518, 346.9914

■ 0.0000, 0.0000,
0.0000

■ 39.8858, 34.0946,
52.0557

■ 39.8858, 34.0946,
52.0557

■ 37.2402, 28.8736,
50.9560

■ 43.0116, 40.2746,
53.3169

■ 35.0478, 24.5593,
50.0075

■ 46.6368, 47.4537,
54.7448

■ 33.2835, 21.1011,
49.2024

■ 50.7832, 55.6752,
56.3471

■ 31.9187, 18.4419,
48.5311

■ 55.4705, 64.9782,
58.1303

■ 30.9214, 16.5172,
47.9829

■ 60.7175, 75.4003,
60.1006

■ 30.2544, 15.2530,
47.5454

■ 66.0919, 86.0771,
62.1141

■ 29.8729, 14.5596,
47.2037

■ 66.1370, 86.0951,
62.3517

■ 29.7320, 14.3172,
47.0355

■ 66.1823, 86.1132,
62.5901

■ 66.2276, 86.1314,
62.8291

Harmonies

Analogous

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



36.2653, 34.0946, 63.0175



39.8858, 34.0946, 52.0557



41.4986, 34.0946, 38.6706

Triad

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



39.8858, 34.0946, 52.0557



32.9418, 34.0946, 17.9694



25.4684, 34.0946, 48.8134

Complementary

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



39.8858, 34.0946, 52.0557



34.5607, 44.2494, 33.1068

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.



24.7490, 34.0946, 35.6177



39.8858, 34.0946, 52.0557



28.8305, 34.0946, 19.5174

Square

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



39.8858, 34.0946, 52.0557



37.2694, 34.0946, 20.5287



25.9250, 34.0946, 25.3601



27.9850, 34.0946, 60.8703

Rectangle

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



39.8858, 34.0946, 52.0557



41.1206, 34.0946, 30.7751



25.9250, 34.0946, 25.3601



25.0186, 34.0946, 44.2893

Sweetspot

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



39.8868, 34.0961, 52.0564



81.6316, 81.2363, 97.3063



30.4702, 29.2291, 52.1805



17.4687, 17.2996, 20.8916



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.



39.8868, 34.0961, 52.0564



68.9019, 56.0611, 92.1866



37.6227, 33.1904, 40.1336



9.9208, 9.6926, 11.9718



20.0083, 9.6345, 31.6671



0.7866, 0.3785, 1.2555

Inverse Universe

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



39.8868, 34.0961, 52.0564



68.9019, 56.0611, 92.1866



36.4800, 45.0172, 43.2140



9.9208, 9.6926, 11.9718



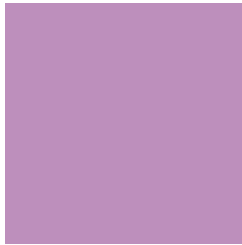
20.0083, 9.6345, 31.6671



0.7866, 0.3785, 1.2555

Previews

White Background



This preview shows how the XYZ color 39.8858, 34.0946, 52.0557 looks on a white background.

Color Contrast Check

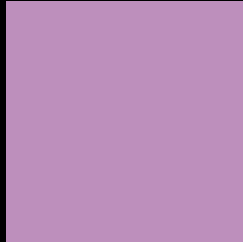
Large Text (above 18pt) WCAG AA × Fail

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 39.8858, 34.0946, 52.0557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

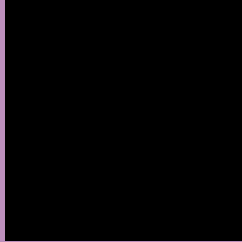
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.8858, 34.0946, 52.0557

Background



This preview shows how black text looks on a background with the XYZ color 39.8858, 34.0946, 52.0557.



This preview shows how white text looks on a background with the XYZ color 39.8858, 34.0946,

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

39.8858, 34.0946, 52.0557

Protanopia

34.1793, 34.1041, 57.6046

Deuteranopia

34.9157, 34.1300, 51.2019



Tritanopia

36.9427, 34.0322, 37.8795

Trichromacy



Original Color

39.8858, 34.0946, 52.0557

Protanomaly

35.9085, 33.8148, 55.6733

Deuteranomaly

36.6706, 34.0585, 51.6549

Tritanomaly

37.7843, 33.8992, 42.5820

Monochromacy



Original Color

39.8858, 34.0946, 52.0557

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

36.0853, 35.1536, 43.4115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8858, 34.0946, 52.0557 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, 143, 188)` looks like.

```
.text, #text, p{  
    color:rgb(189, 143, 188)  
}
```

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, 143, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 143, 188) }
```

Border

The CSS property to change the border of an element to XYZ 39.8858, 34.0946, 52.0557 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, 143, 188) }
```


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

```
.border{ border-color:rgb(189, 143, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 143, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 143, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 143, 188);  
box-shadow:4px 4px 4px 4px rgb(189, 143,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8858, 34.0946, 52.0557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 143, 188) }
```

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

```
.background{ background-color: rgb(189,  
143, 188) }
```

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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