

Converting Colors

XYZ(39.3856, 37.4340, 50.2799)

Have a look what the booklet for
XYZ(39.3856, 37.4340, 50.2799)
contains.

XYZ(39.4690, 37.4981, 50.5050)	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(39.4690, 37.4981,
50.5050)**

Conversions

Conversions Part 1

Format	Color
Hex	B39EB8
RGB	179, 158, 184
RGB Percent	70%, 62%, 72%
CMY	0.2980, 0.3804, 0.2784
CMYK	0.03, 0.14, 0.00, 0.28
HSL	288°, 15%, 67%
HSV	288°, 14%, 72%
XYZ	39.4690, 37.4981, 50.5050
YIQ	167.2430, 4.1700, 12.5380

Conversions

Conversions Part 2

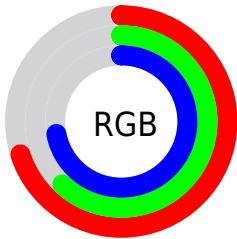
Format	Color
RYB	179, 158, 184
Decimal	11771576
CIELab	67.65, 12.47, -10.60
CIELCh	68, 16.366, 319.652
Yxy	37.4981, 0.3096, 0.2942
Android (android.graphics.Color)	4289961656 (0xFFB39EB8)
YUV	167.2430, 8.2612, 10.3109
Hunter-Lab	61.2357, 7.8884, -6.0353

Details

The XYZ color **39.4690, 37.4981, 50.5050** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **38.4176, 44.5371, 38.9213**, and the grayscale version is **36.8095, 38.7265, 42.1731**.

A 20% lighter version of the original color is **73.7834, 71.5419, 92.3582**, and **17.9586, 16.5897, 23.7283** is the 20% darker color. If you saturate the color by 10%, you get **35.7554, 31.2690, 49.4989**, and if you desaturate by 10%, it is **43.6757, 44.6811, 51.6703**.

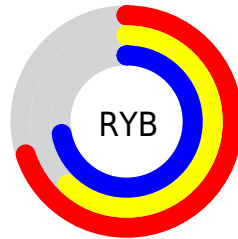
Distribution



Red (70%)

Green (62%)

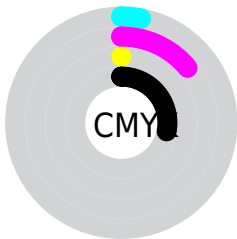
Blue (72%)



Red (70%)

Yellow (62%)

Blue (72%)

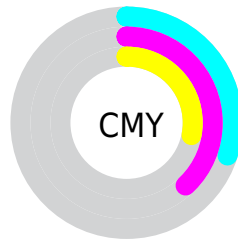


Cyan (3%)

Magenta (14%)

Yellow (0%)

Black (28%)



Cyan (30%)

Magenta (38%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4690, 37.4981, 50.5050 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 39.4690, 37.4981, 50.5050 by changing the saturation by 10% instead.

■ 39.4690, 37.4981,
50.5050

■ 39.4690, 37.4981,
50.5050

335.0533,
335.4620, 405.4290

■ 27.3071, 25.5934,
35.4408

■ 73.6437, 71.3382,
92.3267

■ 17.9418, 16.5197,
23.7164

■ 96.3873, 94.0424,
119.9212

■ 11.0077, 9.8926,
14.9131

123.3889,
121.1152, 152.5297

■ 6.1393, 5.3278,
8.6125

155.0137,
152.9409, 190.5705

■ 2.9714, 2.4409,
4.3960

191.6272,
189.9041, 234.4624

■ 1.1387, 0.8468,
1.8450

233.5948,

■ 0.0571, 0.0000,

232.3891, 284.6237

0.4574

281.2817,
280.7803, 341.4731

■ 0.0000, 0.0000,
0.0000

■ 39.4690, 37.4981,
50.5050

■ 39.4690, 37.4981,
50.5050

■ 35.7554, 31.2690,
49.4989

■ 43.6757, 44.6811,
51.6703

■ 32.5106, 25.9472,
48.6428

■ 48.3919, 52.8522,
52.9989

■ 29.7133, 21.4895,
47.9298

■ 53.6372, 62.0500,
54.4978

■ 27.3388, 17.8472,
47.3519

■ 59.4293, 72.3095,
56.1728

■ 25.3604, 14.9667,
46.9002

■ 65.7849, 83.6639,
58.0295

■ 23.7479, 12.7881,
46.5646

■ 68.2935, 87.2922,
58.5976

■ 22.4667, 11.2422,
46.3338

■ 69.2511, 87.7859,
58.6424

■ 21.4748, 10.2455,
46.1937

■ 70.2307, 88.2909,
58.6882

■ 20.9761, 9.8141,
46.1367

■ 71.2325, 88.8073,
58.7351

Harmonies

Analogous

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



37.2980, 37.4981, 55.3672



39.4690, 37.4981, 50.5050



40.6314, 37.4981, 43.3769

Triad

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



39.4690, 37.4981, 50.5050



36.5197, 37.4981, 28.6255



31.2629, 37.4981, 45.6842

Complementary

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



39.4690, 37.4981, 50.5050



38.4176, 44.5371, 38.9213

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.



31.0766, 37.4981, 38.3830



39.4690, 37.4981, 50.5050



34.0334, 37.4981, 29.0885

Square

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



39.4690, 37.4981, 50.5050



38.8761, 37.4981, 31.1258



32.0685, 37.4981, 32.4753



32.5902, 37.4981, 52.3645

Rectangle

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



39.4690, 37.4981, 50.5050



40.6426, 37.4981, 38.5427



32.0685, 37.4981, 32.4753



31.0672, 37.4981, 43.2041

Sweetspot

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



39.4701, 37.4997, 50.5058



79.2232, 81.0817, 93.6794



35.8865, 36.9969, 50.5976



16.9486, 17.2555, 20.1590



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



39.4701, 37.4997, 50.5058



69.3302, 64.2307, 90.9483



39.8514, 37.7882, 46.3726



9.2071, 9.0731, 11.3455



14.5132, 6.7930, 31.7993



0.5557, 0.2622, 1.1231

Inverse Universe

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



38.6061, 37.2900, 39.8150



67.4821, 63.7917, 67.6518



38.1069, 44.2969, 42.5235



9.0733, 9.0397, 9.7335



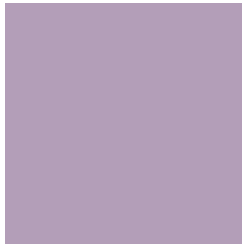
13.8566, 7.1164, 1.8659



0.5098, 0.2594, 0.1781

Previews

White Background



This preview shows how the XYZ color 39.4690, 37.4981, 50.5050 looks on a white background.

Color Contrast Check

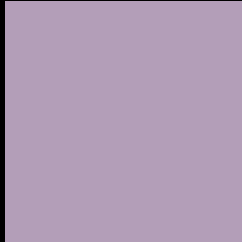
Large Text (above 18pt) WCAG AA × Fail

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 39.4690, 37.4981, 50.5050 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

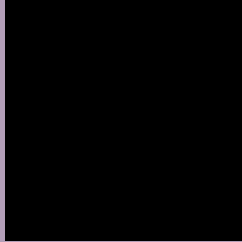
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4690, 37.4981, 50.5050

Background



This preview shows how black text looks on a background with the XYZ color 39.4690, 37.4981, 50.5050.



This preview shows how white text looks on a background with the XYZ color 39.4690, 37.4981,

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

39.4690, 37.4981, 50.5050

Protanopia

37.0505, 37.7588, 52.9124

Deuteranopia

38.2358, 37.3730, 50.5459



Tritanopia

38.2451, 37.5059, 44.7588

Trichromacy



Original Color

39.4690, 37.4981, 50.5050

Protanomaly

38.0384, 37.7533, 52.2960

Deuteranomaly

38.7291, 37.3709, 50.5195

Tritanomaly

38.6940, 37.4356, 46.7814

Monochromacy



Original Color

39.4690, 37.4981, 50.5050

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.6129, 38.2260, 44.9311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4690, 37.4981, 50.5050 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(179, 158, 184)` looks like.

```
.text, #text, p{  
    color:rgb(179, 158, 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(179, 158, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 158, 184) }
```

Border

The CSS property to change the border of an element to XYZ 39.4690, 37.4981, 50.5050 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(179, 158, 184) }
```


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

```
.border{ border-color:rgb(179, 158, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 158, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 158, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 158, 184);  
box-shadow:4px 4px 4px 4px rgb(179, 158,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4690, 37.4981, 50.5050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 158, 184) }
```

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

```
.background{ background-color: rgb(179,  
158, 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](#).

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