

Converting Colors

XYZ(39.0221, 40.5890, 48.2768)

Have a look what the booklet for
XYZ(39.0221, 40.5890, 48.2768)
contains.

XYZ(39.0890, 40.5502, 48.4146)	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(39.0890, 40.5502,
48.4146)**

Conversions

Conversions Part 1

Format	Color
Hex	AAAAB3
RGB	170, 170, 179
RGB Percent	67%, 67%, 70%
CMY	0.3333, 0.3333, 0.2980
CMYK	0.05, 0.05, 0.00, 0.30
HSL	240°, 6%, 68%
HSV	240°, 5%, 70%
XYZ	39.0890, 40.5502, 48.4146
YIQ	171.0260, -2.8890, 2.7990

Conversions

Conversions Part 2

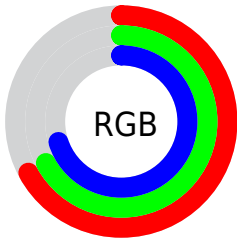
Format	Color
RYB	170, 170, 179
Decimal	11184819
CIELab	69.86, 1.74, -4.62
CIElCh	70, 4.936, 290.682
Yxy	40.5502, 0.3053, 0.3167
Android (android.graphics.Color)	4289374899 (0xFFAAAAB3)
YUV	171.0260, 3.9312, -0.8998
Hunter-Lab	63.6790, -1.8672, -0.5023

Details

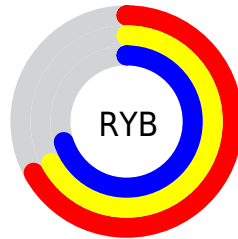
The XYZ color **39.0890, 40.5502, 48.4146** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.9663, 44.7258, 44.4520**, and the grayscale version is **38.7047, 40.7203, 44.3444**.

A 20% lighter version of the original color is **72.9719, 75.8561, 89.3929**, and **17.7155, 18.3148, 22.3401** is the 20% darker color. If you saturate the color by 10%, you get **32.3507, 32.4319, 47.2034**, and if you desaturate by 10%, it is **46.8132, 49.8568, 49.8045**.

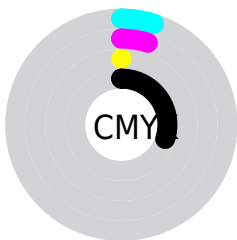
Distribution



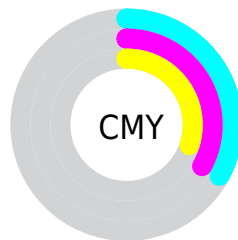
- Red (67%)
- Green (67%)
- Blue (70%)



- Red (67%)
- Yellow (67%)
- Blue (70%)



- Cyan (5%)
- Magenta (5%)
- Yellow (0%)
- Black (30%)



- Cyan (33%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.0890, 40.5502, 48.4146 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 39.0890, 40.5502, 48.4146 by changing the saturation by 10% instead.

■ 39.0890, 40.5502,
48.4146

■ 39.0890, 40.5502,
48.4146

333.4694,
348.4372, 396.9892

■ 27.0100, 27.9678,
33.7930

■ 73.0675, 76.0006,
89.1933

■ 17.7174, 18.3014,
22.4586

■ 95.6976, 99.6374,
116.1876

■ 10.8457, 11.1666,
13.9927

122.5756,
127.7278, 148.1431

■ 6.0297, 6.1790,
7.9769

154.0667,
160.6561, 185.4785

■ 2.9040, 2.9542,
3.9926

190.5362,
198.8068, 228.6122

■ 1.1032, 1.1079,
1.6213

232.3496,

■ 0.0278, 0.0000,

242.5643, 277.9629

0.3059

279.8722,
292.3130, 333.9490

■ 0.0000, 0.0000,
0.0000

■ 39.0890, 40.5502,
48.4146

■ 39.0890, 40.5502,
48.4146

■ 32.3507, 32.4319,
47.2034

■ 46.8132, 49.8568,
49.8045

■ 26.5552, 25.4492,
46.1610

■ 55.5570, 60.3915,
51.3770

■ 21.6617, 19.5530,
45.2809

■ 65.3569, 72.1984,
53.1395

■ 17.6247, 14.6889,
44.5548

■ 76.2465, 85.3180,
55.0979

■ 14.3952, 10.7974,
43.9739

■ 85.1368, 96.0347,
56.6978

■ 11.9187, 7.8132,
43.5284

■ 10.1344, 5.6629,
43.2074

■ 8.9720, 4.2618,
42.9982

■ 8.3454, 3.5065,
42.8854

Harmonies

Analogous

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



38.2926, 40.5502, 48.6557



39.0890, 40.5502, 48.4146



39.7472, 40.5502, 47.0103

Triad

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



39.0890, 40.5502, 48.4146



39.5272, 40.5502, 40.8227



37.0398, 40.5502, 43.4410

Complementary

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



39.0890, 40.5502, 48.4146



41.9663, 44.7258, 44.4520

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.



37.3609, 40.5502, 41.4125



39.0890, 40.5502, 48.4146



38.7920, 40.5502, 39.9357

Square

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



39.0890, 40.5502, 48.4146



40.0026, 40.5502, 42.6106



37.9996, 40.5502, 40.1478



37.1169, 40.5502, 45.7306

Rectangle

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



39.0890, 40.5502, 48.4146



40.0155, 40.5502, 45.6295



37.9996, 40.5502, 40.1478



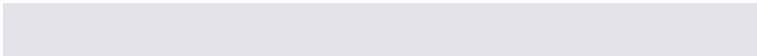
37.1046, 40.5502, 42.7073

Sweetspot

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



39.0902, 40.5519, 48.4155



73.9618, 77.3895, 87.4206



40.8198, 44.0355, 48.9172



16.4183, 17.1843, 19.3738



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



39.0902, 40.5519, 48.4155



68.6295, 70.9649, 86.4616



40.0457, 41.0438, 48.4601



8.4748, 8.7518, 10.7489



5.7503, 2.3009, 30.2780



0.1810, 0.0725, 0.9527

Inverse Universe

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



40.2218, 41.2363, 43.8717



71.0714, 72.4417, 76.6565



40.9772, 44.2167, 44.4059



8.7988, 8.9477, 9.4478



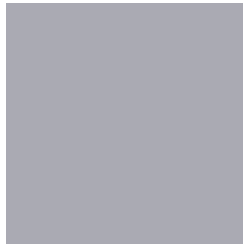
13.1371, 6.7724, 0.6161



0.4134, 0.2131, 0.0196

Previews

White Background



This preview shows how the XYZ color 39.0890, 40.5502, 48.4146 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 39.0890, 40.5502, 48.4146 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

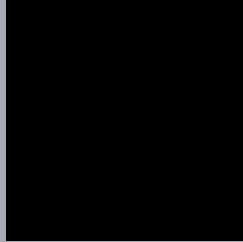
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.0890, 40.5502, 48.4146

Background



This preview shows how black text looks on a background with the XYZ color 39.0890, 40.5502, 48.4146.

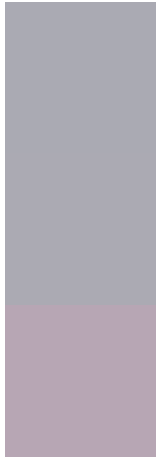


This preview shows how white text looks on a background with the XYZ color 39.0890, 40.5502,

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

39.0890, 40.5502, 48.4146

Protanopia

39.3060, 40.6621, 48.4247

Deuteranopia

41.4029, 40.6350, 48.8412



Tritanopia

39.5298, 40.4528, 50.5245

Trichromacy



Original Color

39.0890, 40.5502, 48.4146

Protanomaly

39.3060, 40.6621, 48.4247

Deuteranomaly

40.4170, 40.3977, 48.8473

Tritanomaly

39.4261, 40.4113, 49.9781

Monochromacy



Original Color

39.0890, 40.5502, 48.4146

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.9975, 40.8397, 45.8719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.0890, 40.5502, 48.4146 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(170, 170, 179)` looks like.

```
.text, #text, p{  
    color:rgb(170, 170, 179)  
}
```

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(170, 170, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 170, 179) }
```

Border

The CSS property to change the border of an element to XYZ 39.0890, 40.5502, 48.4146 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(170, 170, 179) }
```


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

```
.border{ border-color:rgb(170, 170, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 170, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 170, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 170, 179);  
box-shadow:4px 4px 4px 4px rgb(170, 170,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 39.0890, 40.5502, 48.4146 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 170, 179) }
```

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

```
.background{ background-color: rgb(170,  
170, 179) }
```

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