

Converting Colors

XYZ(35.4836, 36.9238, 40.3225)

Have a look what the booklet for
XYZ(35.4836, 36.9238, 40.3225)
contains.

XYZ(35.5239, 36.9817, 40.3878)	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(35.5239, 36.9817,
40.3878)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A3A4
RGB	166, 163, 164
RGB Percent	65%, 64%, 64%
CMY	0.3490, 0.3608, 0.3569
CMYK	0.00, 0.02, 0.01, 0.35
HSL	340°, 2%, 65%
HSV	340°, 2%, 65%
XYZ	35.5239, 36.9817, 40.3878
YIQ	164.0110, 1.4670, 0.9470

Conversions

Conversions Part 2

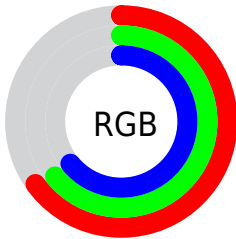
Format	Color
RYB	166, 163, 164
Decimal	10920868
CIELab	67.26, 1.27, -0.14
CIELCh	67, 1.276, 353.536
Yxy	36.9817, 0.3147, 0.3276
Android (android.graphics.Color)	4289110948 (0xFFA6A3A4)
YUV	164.0110, -0.0054, 1.7444
Hunter-Lab	60.8126, -2.1506, 3.1922

Details

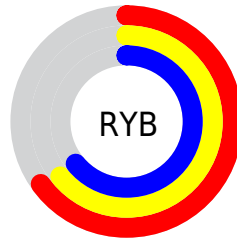
The XYZ color **35.5239, 36.9817, 40.3878** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.5334, 37.7765, 41.0180**, and the grayscale version is **35.2922, 37.1302, 40.4348**.

A 20% lighter version of the original color is **67.6764, 70.6294, 77.0837**, and **15.5485, 16.1161, 17.6205** is the 20% darker color. If you saturate the color by 10%, you get **31.8108, 31.0870, 34.4277**, and if you desaturate by 10%, it is **39.7131, 43.6882, 46.9374**.

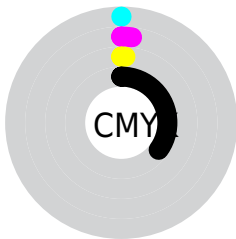
Distribution



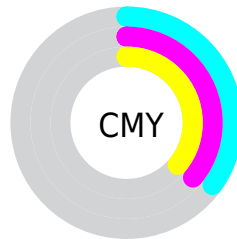
- Red (65%)
- Green (64%)
- Blue (64%)



- Red (65%)
- Yellow (64%)
- Blue (64%)



- Cyan (0%)
- Magenta (2%)
- Yellow (1%)
- Black (35%)



- Cyan (35%)
- Magenta (36%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.5239, 36.9817, 40.3878 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 35.5239, 36.9817, 40.3878 by changing the saturation by 10% instead.

■ 35.5239, 36.9817,
40.3878

■ 35.5239, 36.9817,
40.3878

318.3424,
333.2313, 363.3560

■ 24.2351, 25.1933,
27.5250

■ 67.6253, 70.5446,
76.9972

■ 15.6338, 16.2211,
17.7320

■ 89.1686, 93.0880,
101.5809

■ 9.3546, 9.6808,
10.5903

114.8608,
119.9851, 130.9085

■ 5.0321, 5.1878,
5.6814

145.0672,
151.6204, 165.3987

■ 2.3011, 2.3579,
2.5867

180.1532,
188.3783, 205.4701

■ 0.7952, 0.8041,
0.8856

220.4842,

■ 0.0000, 0.0000,

230.6431, 251.5410

0.0000

266.4255,
278.7993, 304.0301

■ 35.5239, 36.9817,
40.3878

■ 35.5239, 36.9817,
40.3878

■ 31.8108, 31.0870,
34.4277

■ 39.7131, 43.6882,
46.9374

■ 28.5536, 25.9686,
29.0382

■ 44.3916, 51.2310,
54.0902

■ 25.7351, 21.5953,
24.2026

■ 49.5760, 59.6392,
61.8622

■ 23.3357, 17.9320,
19.9026

■ 55.2809, 68.9392,
70.2681

■ 21.3346, 14.9408,
16.1187

■ 61.5206, 79.1563,
79.3223

■ 19.7088, 12.5801,
12.8303

■ 65.8345, 85.3665,
88.2137

■ 18.4331, 10.8038,
10.0152

■ 67.4445, 86.0105,
96.6919

■ 17.4786, 9.5592,
7.6492

■ 69.1553, 86.6948,
105.7007

■ 16.8120, 8.7842,
5.7055

■ 69.5361, 86.8471,
107.7060

Harmonies

Analogous

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



35.4524, 36.9817, 40.9084



35.5239, 36.9817, 40.3878



35.4949, 36.9817, 39.8395

Triad

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



35.5239, 36.9817, 40.3878



35.0005, 36.9817, 39.2902



34.9276, 36.9817, 41.1366

Complementary

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



35.5239, 36.9817, 40.3878



35.5334, 37.7765, 41.0180

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.



34.8073, 36.9817, 40.6971



35.5239, 36.9817, 40.3878



34.8493, 36.9817, 39.6319

Square

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



35.5239, 36.9817, 40.3878



35.1922, 36.9817, 39.2091



34.7787, 36.9817, 40.1460



35.1078, 36.9817, 41.3433

Rectangle

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



35.5239, 36.9817, 40.3878



35.4225, 36.9817, 39.5316



34.7787, 36.9817, 40.1460



34.8789, 36.9817, 41.0110

Sweetspot

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



35.5249, 36.9833, 40.3886



65.0401, 68.0239, 74.1967



35.4984, 36.9486, 41.3377



14.5640, 15.2372, 16.6184



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



35.5249, 36.9833, 40.3886



64.3077, 66.8559, 73.0379



35.5241, 37.1251, 39.9458



8.2846, 8.6220, 9.4166



12.7534, 6.5101, 3.5128



0.3339, 0.1678, 0.2097

Inverse Universe

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



35.5249, 36.9833, 40.3886



64.3077, 66.8559, 73.0379



35.5339, 37.6317, 41.4677



8.2846, 8.6220, 9.4166



12.7534, 6.5101, 3.5128



0.3339, 0.1678, 0.2097

Previews

White Background



This preview shows how the XYZ color 35.5239, 36.9817, 40.3878 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 35.5239, 36.9817, 40.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

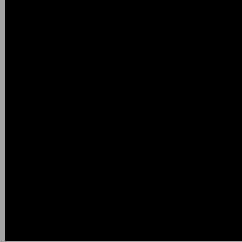
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.5239, 36.9817, 40.3878

Background



This preview shows how black text looks on a background with the XYZ color 35.5239, 36.9817, 40.3878.



This preview shows how white text looks on a background with the XYZ color 35.5239, 36.9817,

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

35.5239, 36.9817, 40.3878

Protanopia

35.5239, 36.9817, 40.3878

Deuteranopia

37.7801, 37.0966, 40.7664



Tritanopia

36.5333, 36.8706, 45.2356

Trichromacy



Original Color

35.5239, 36.9817, 40.3878

Protanomaly

35.5239, 36.9817, 40.3878

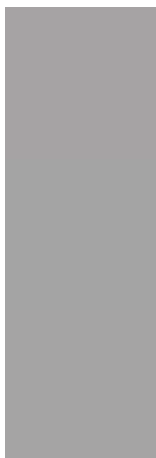
Deuteranomaly

36.8179, 36.8569, 40.7709

Tritanomaly

36.1124, 36.9584, 43.2606

Monochromacy



Original Color

35.5239, 36.9817, 40.3878

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

35.4933, 37.2306, 40.4375

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5239, 36.9817, 40.3878 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(166, 163, 164)` looks like.

```
.text, #text, p{  
    color:rgb(166, 163, 164)  
}
```

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(166, 163, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 163, 164) }
```

Border

The CSS property to change the border of an element to XYZ 35.5239, 36.9817, 40.3878 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(166, 163, 164) }
```


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

```
.border{ border-color:rgb(166, 163, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 163, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 163, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 163, 164);  
box-shadow:4px 4px 4px 4px rgb(166, 163,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5239, 36.9817, 40.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 163, 164) }
```

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

```
.background{ background-color: rgb(166,  
163, 164) }
```

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