

Converting Colors

XYZ(35.3000, 40.7163, 16.8250)

Have a look what the booklet for
XYZ(35.3000, 40.7163, 16.8250)
contains.

XYZ(35.3000, 40.7163, 16.8250)	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(35.3000, 40.7163,
16.8250)**

Conversions

Conversions Part 1

Format	Color
Hex	B0AF5F
RGB	176, 175, 95
RGB Percent	69%, 69%, 37%
CMY	0.3098, 0.3137, 0.6274
CMYK	0.00, 0.01, 0.46, 0.31
HSL	59°, 34%, 53%
HSV	59°, 46%, 69%
XYZ	35.3000, 40.7163, 16.8250
YIQ	166.1790, 26.2760, -24.6680

Conversions

Conversions Part 2

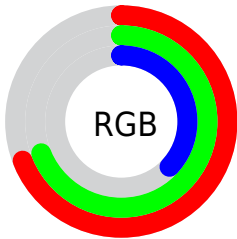
Format	Color
R_{YB}	96, 176, 95
Decimal	11579231
CIE _{Lab}	69.98, -11.19, 40.91
CIE _{LCh}	70, 42.414, 105.292
Yxy	40.7163, 0.3802, 0.4386
Android (android.graphics.Color)	4289769311 (0xFFB0AF5F)
YUV	166.1790, -35.0912, 8.6130
Hunter-Lab	63.8093, -12.9182, 29.0332

Details

The XYZ color **35.3000, 40.7163, 16.8250** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **16.7386, 13.9328, 42.8812**, and the grayscale version is **36.4886, 38.3888, 41.8054**.

A 20% lighter version of the original color is **67.1675, 76.0239, 38.7377**, and **15.5827, 18.4930, 5.2308** is the 20% darker color. If you saturate the color by 10%, you get **34.5471, 40.3493, 13.0633**, and if you desaturate by 10%, it is **36.2357, 41.1594, 21.5404**.

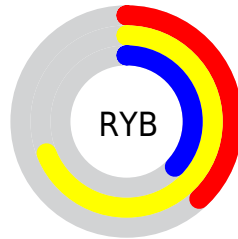
Distribution



Red (69%)

Green (69%)

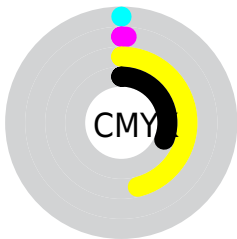
Blue (37%)



Red (38%)

Yellow (69%)

Blue (37%)

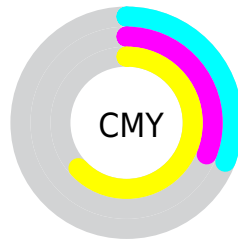


Cyan (0%)

Magenta (1%)

Yellow (46%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.3000, 40.7163, 16.8250 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 35.3000, 40.7163, 16.8250 by changing the saturation by 10% instead.

■ 35.3000, 40.7163,
16.8250

■ 35.3000, 40.7163,
16.8250

317.3754,
349.1335, 246.1716

■ 24.0617, 28.0975,
9.9492

■ 67.2812, 76.2530,
38.8112

■ 15.5043, 18.3991,
5.2601

■ 88.7548, 99.9397,
54.7586

■ 9.2627, 11.2369,
2.3393

■ 114.3709,
128.0845, 74.5669

■ 4.9714, 6.2264,
0.7531

■ 144.4947,
161.0718, 98.6547

■ 2.2651, 2.9833,
0.0000

179.4917,
199.2859, 127.4406

■ 0.7767, 1.1230,
0.0000

219.7273,

■ 0.0000, 0.0000,

243.1113, 161.3430

0.0000

265.5667,
292.9324, 200.7805

■ 35.3000, 40.7163,
16.8250

■ 35.3000, 40.7163,
16.8250

■ 34.5471, 40.3493,
13.0633

■ 36.2357, 41.1594,
21.5404

■ 33.9617, 40.0480,
10.1877

■ 37.3625, 41.6776,
27.2657

■ 33.5310, 39.8087,
8.1261

■ 38.6915, 42.2768,
34.0559

■ 33.2388, 39.6249,
6.7939

■ 40.2323, 42.9608,
41.9613

■ 33.0642, 39.4882,
6.0804

■ 41.9940, 43.7333,
51.0289

■ 33.0092, 39.4397,
5.8728

■ 43.9848, 44.5975,
61.3031

■ 46.2128, 45.5567,
72.8260

■ 48.6856, 46.6140,
85.6375

■ 51.4104, 47.7721,
99.7759

Harmonies

Analogous

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



42.1723, 40.7163, 16.7725



35.3000, 40.7163, 16.8250



30.0036, 40.7163, 22.5891

Triad

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



35.3000, 40.7163, 16.8250



30.0843, 40.7163, 77.2505



53.0269, 40.7163, 54.7140

Complementary

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



35.3000, 40.7163, 16.8250



16.7386, 13.9328, 42.8812

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.



48.9319, 40.7163, 76.8545



35.3000, 40.7163, 16.8250



35.4230, 40.7163, 92.2664

Square

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



35.3000, 40.7163, 16.8250



27.2455, 40.7163, 55.1457



42.3108, 40.7163, 92.1031



52.9837, 40.7163, 35.0353

Rectangle

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



35.3000, 40.7163, 16.8250



27.8402, 40.7163, 30.2530



42.3108, 40.7163, 92.1031



52.0691, 40.7163, 62.2181

Sweetspot

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



35.3010, 40.7182, 16.8258



70.6419, 76.8856, 64.1631



24.1244, 18.2659, 13.4057



15.1891, 16.6087, 13.2896



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



35.3010, 40.7182, 16.8258



62.6645, 73.1844, 23.7277



27.8830, 37.1825, 16.5344



9.1879, 9.8884, 9.0769



24.2230, 28.9445, 4.3102



0.7650, 0.9164, 0.1366

Inverse Universe

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



16.7386, 13.9328, 42.8812



24.8717, 18.6525, 76.7847



21.7844, 16.4001, 43.0915



8.0501, 8.2463, 10.6737



5.7702, 2.3407, 30.2847



0.1843, 0.0792, 0.9538

Previews

White Background



This preview shows how the XYZ color 35.3000, 40.7163, 16.8250 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 35.3000, 40.7163, 16.8250 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

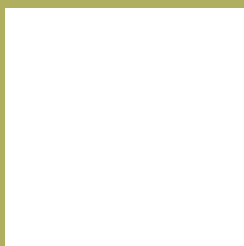
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.3000, 40.7163, 16.8250

Background



This preview shows how black text looks on a background with the XYZ color 35.3000, 40.7163, 16.8250.



This preview shows how white text looks on a background with the XYZ color 35.3000, 40.7163,

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

35.3000, 40.7163, 16.8250

Protanopia

37.3223, 40.6253, 16.4641

Deuteranopia

41.3142, 40.4861, 17.1924



Tritanopia

41.4986, 40.4389, 47.7378

Trichromacy



Original Color

35.3000, 40.7163, 16.8250

Protanomaly

36.5401, 40.5035, 16.4818

Deuteranomaly

38.7413, 40.2363, 17.0337

Tritanomaly

38.8247, 40.4591, 33.7801

Monochromacy



Original Color

35.3000, 40.7163, 16.8250

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

35.4992, 38.8154, 30.4321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.3000, 40.7163, 16.8250 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(176, 175, 95)` looks like.

```
.text, #text, p{  
    color:rgb(176, 175, 95)  
}
```

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(176, 175, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 175, 95) }
```

Border

The CSS property to change the border of an element to XYZ 35.3000, 40.7163, 16.8250 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(176, 175, 95) }
```


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

```
.border{ border-color:rgb(176, 175, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 175, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 175, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 175, 95);  
box-shadow:4px 4px 4px 4px rgb(176, 175,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 35.3000, 40.7163, 16.8250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 175, 95) }
```

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

```
.background{ background-color: rgb(176,  
175, 95) }
```

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