

Converting Colors

XYZ(33.5753, 39.8659, 9.2358)

Have a look what the booklet for
XYZ(33.5753, 39.8659, 9.2358)
contains.

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Color

**XYZ(33.6518, 40.0309,
9.3213)**

Conversions

Conversions Part 1

Format	Color
Hex	AFAF35
RGB	175, 175, 53
RGB Percent	69%, 69%, 21%
CMY	0.3137, 0.3137, 0.7921
CMYK	0.00, 0.00, 0.70, 0.31
HSL	60°, 54%, 45%
HSV	60°, 70%, 69%
XYZ	33.6518, 40.0309, 9.3213
YIQ	161.0920, 39.1620, -37.9420

Conversions

Conversions Part 2

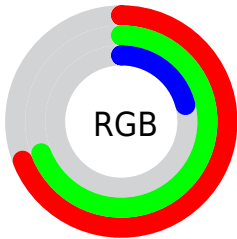
Format	Color
RYB	53, 175, 53
Decimal	11513653
CIELab	69.49, -14.78, 59.25
CIElCh	69, 61.068, 104.004
Yxy	40.0309, 0.4054, 0.4823
Android (android.graphics.Color)	4289703733 (0xFFAFAF35)
YUV	161.0920, -53.2894, 12.1973
Hunter-Lab	63.2700, -15.7825, 35.5540

Details

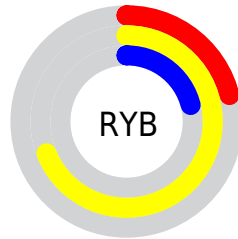
The XYZ color **33.6518, 40.0309, 9.3213** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.4803, 6.3991, 41.2426**, and the grayscale version is **34.1474, 35.9257, 39.1231**.

A 20% lighter version of the original color is **64.5549, 74.9788, 24.9799**, and **14.6907, 18.0879, 2.7170** is the 20% darker color. If you saturate the color by 10%, you get **33.3208, 39.9000, 7.5749**, and if you desaturate by 10%, it is **34.1317, 40.2244, 11.8434**.

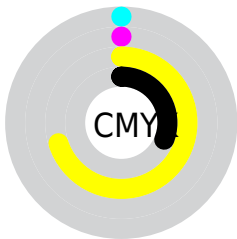
Distribution



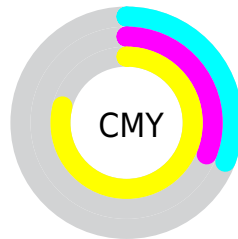
- Red (69%)
- Green (69%)
- Blue (21%)



- Red (21%)
- Yellow (69%)
- Blue (21%)



- Cyan (0%)
- Magenta (0%)
- Yellow (70%)
- Black (31%)





- Cyan (31%)
- Magenta (31%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6518, 40.0309, 9.3213 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 33.6518, 40.0309, 9.3213 by changing the saturation by 10% instead.


 33.6518, 40.0309,
9.3213


 33.6518, 40.0309,
9.3213


310.1899,
346.2538, 196.0625


 22.7879, 27.5626,
4.8517


 64.7397, 75.2106,
25.0984

 14.5568, 17.9962,
2.1033


 85.6944, 98.6908,
37.2430

 8.5932, 10.9473,
0.6177


 110.7434,
126.6104, 52.7829

 4.5318, 6.0314,
0.0000

 140.2520,
159.3538, 72.1368

 2.0072, 2.8642,
0.0000

 174.5856,
197.3055, 95.7232

 0.6380, 1.0612,
0.0000

 214.1095,

 0.0000, 0.0000,

240.8498, 123.9605

0.0000

259.1892,
290.3711, 157.2675

■ 33.6518, 40.0309,
9.3213

■ 33.6518, 40.0309,
9.3213

■ 33.3208, 39.9000,
7.5749

■ 34.1317, 40.2244,
11.8434

■ 33.1189, 39.8192,
6.5127

■ 34.7720, 40.4805,
15.2146

■ 33.0123, 39.7765,
5.9522

■ 35.5864, 40.8063,
19.5022

■ 33.0095, 39.7754,
5.9376

■ 36.5862, 41.2062,
24.7663

■ 37.7819, 41.6845,
31.0620

■ 39.1831, 42.2450,
38.4400

■ 40.7990, 42.8914,
46.9480

■ 42.6378, 43.6269,
56.6305

■ 44.7078, 44.4549,
67.5299

Harmonies

Analogous

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



43.5027, 40.0309, 9.4967



33.6518, 40.0309, 9.3213



26.3618, 40.0309, 15.0783

Triad

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



33.6518, 40.0309, 9.3213



25.9993, 40.0309, 93.0940



59.2826, 40.0309, 60.2853

Complementary

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



33.6518, 40.0309, 9.3213



10.4803, 6.3991, 41.2426

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.



52.7604, 40.0309, 95.3206



33.6518, 40.0309, 9.3213



33.0698, 40.0309, 119.1578

Square

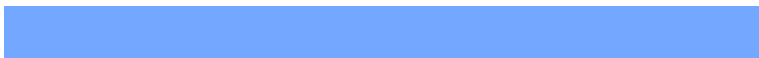
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



33.6518, 40.0309, 9.3213



22.4872, 40.0309, 58.0547



42.8117, 40.0309, 120.1136



59.5117, 40.0309, 31.7477

Rectangle

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



33.6518, 40.0309, 9.3213



23.4526, 40.0309, 23.8925



42.8117, 40.0309, 120.1136



57.7089, 40.0309, 71.9053

Sweetspot

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



33.6527, 40.0328, 9.3221



67.2837, 74.4997, 53.6357



19.5963, 11.9182, 4.6363



14.8217, 16.5053, 11.2220



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.



33.6527, 40.0328, 9.3221



59.4390, 71.3616, 12.3356



22.9136, 34.4965, 8.8195



8.6627, 9.3302, 8.5577



23.6378, 28.4828, 4.2519



0.6576, 0.7924, 0.1183

Inverse Universe

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



10.4803, 6.3991, 41.2426



15.2373, 7.2049, 73.2244



15.9517, 9.2197, 41.4986



7.5790, 7.7573, 10.0505



5.5414, 2.2166, 29.1803



0.1542, 0.0617, 0.8118

Previews

White Background



This preview shows how the XYZ color 33.6518, 40.0309, 9.3213 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 33.6518, 40.0309, 9.3213 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 33.6518, 40.0309, 9.3213

Background



This preview shows how black text looks on a background with the XYZ color 33.6518, 40.0309, 9.3213.



This preview shows how white text looks on a background with the XYZ color 33.6518, 40.0309,

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

33.6518, 40.0309, 9.3213

Protanopia

36.2298, 39.9445, 9.0494

Deuteranopia

40.6600, 39.7923, 9.5407



Tritanopia

41.1834, 39.7681, 46.5797

Trichromacy



Original Color

33.6518, 40.0309, 9.3213

Protanomaly

35.3799, 40.0673, 9.1178

Deuteranomaly

37.9032, 39.7001, 9.4065

Tritanomaly

37.2069, 39.2212, 27.0822

Monochromacy



Original Color

33.6518, 40.0309, 9.3213

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.8750, 36.7846, 23.7798

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6518, 40.0309, 9.3213 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(175, 175, 53)` looks like.

```
.text, #text, p{  
    color:rgb(175, 175, 53)  
}
```

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(175, 175, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 175, 53) }
```

Border

The CSS property to change the border of an element to XYZ 33.6518, 40.0309, 9.3213 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(175, 175, 53) }
```


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

```
.border{ border-color:rgb(175, 175, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 175, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 175, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 175, 53);  
box-shadow:4px 4px 4px 4px rgb(175, 175,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6518, 40.0309, 9.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 175, 53) }
```

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

```
.background{ background-color: rgb(175,  
175, 53) }
```

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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