

Converting Colors

XYZ(33.2560, 40.1657, 6.5558)

Have a look what the booklet for
XYZ(33.2560, 40.1657, 6.5558)
contains.

XYZ(33.3137, 40.2083, 6.5774)	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(33.3137, 40.2083,
6.5774)**

Conversions

Conversions Part 1

Format	Color
Hex	AFB012
RGB	175, 176, 18
RGB Percent	69%, 69%, 7%
CMY	0.3137, 0.3098, 0.9294
CMYK	0.01, 0.00, 0.90, 0.31
HSL	60°, 81%, 38%
HSV	60°, 90%, 69%
XYZ	33.3137, 40.2083, 6.5774
YIQ	157.6890, 50.1220, -49.3500

Conversions

Conversions Part 2

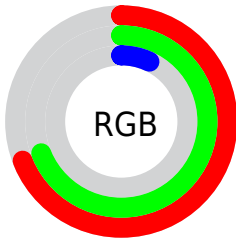
Format	Color
RYB	18, 176, 19
Decimal	11513874
CIELab	69.62, -16.51, 69.14
CIElCh	70, 71.086, 103.430
Yxy	40.2083, 0.4159, 0.5020
Android (android.graphics.Color)	4289703954 (0xFFAFB012)
YUV	157.6890, -68.8667, 15.1817
Hunter-Lab	63.4100, -17.1890, 38.2370

Details

The XYZ color **33.3137, 40.2083, 6.5774** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **8.3223, 3.7064, 41.3536**, and the grayscale version is **32.6460, 34.3462, 37.4030**.

A 20% lighter version of the original color is **64.1078, 75.2843, 19.5400**, and **14.6789, 18.2669, 2.7522** is the 20% darker color. If you saturate the color by 10%, you get **33.1825, 40.1544, 6.0135**, and if you desaturate by 10%, it is **33.5430, 40.3045, 7.6498**.

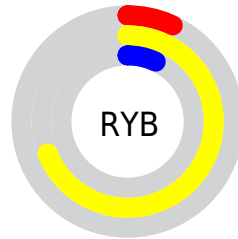
Distribution



Red (69%)

Green (69%)

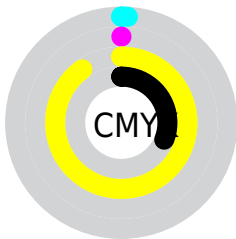
Blue (7%)



Red (7%)

Yellow (69%)

Blue (7%)

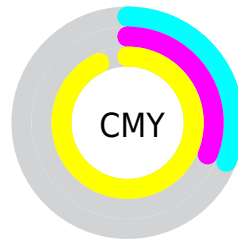


Cyan (1%)

Magenta (0%)

Yellow (90%)

Black (31%)



Cyan (31%)

Magenta (31%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3137, 40.2083, 6.5774 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 33.3137, 40.2083, 6.5774 by changing the saturation by 10% instead.

■ 33.3137, 40.2083,
6.5774

■ 33.3137, 40.2083,
6.5774

308.7010,
347.0007, 173.6000

■ 22.5273, 27.7010,
3.1248

■ 64.2164, 75.4806,
19.6160

■ 14.3636, 18.1004,
1.1587

■ 85.0633, 99.0144,
30.0392

■ 8.4574, 11.0221,
0.0000

■ 109.9945,
126.9924, 43.6230

■ 4.4432, 6.0817,
0.0000

■ 139.3752,
159.7992, 60.7859

■ 1.9558, 2.8948,
0.0000

■ 173.5709,
197.8190, 81.9465

■ 0.6090, 1.0771,
0.0000

■ 212.9468,

■ 0.0000, 0.0000,

241.4362, 107.5234

0.0000

257.8684,
291.0354, 137.9350

■ 33.3137, 40.2083,
6.5774

■ 33.3137, 40.2083,
6.5774

■ 33.1825, 40.1544,
6.0135

■ 33.5430, 40.3045,
7.6498

■ 33.1796, 40.1532,
6.0016

■ 33.9032, 40.4514,
9.4148

■ 34.4122, 40.6579,
11.9638

■ 35.0847, 40.9299,
15.3736

■ 35.9336, 41.2723,
19.7118

■ 36.9703, 41.6899,
25.0395

■ 38.2056, 42.1870,
31.4124

■ 39.6491, 42.7673,
38.8820

■ 41.3102, 43.4346,
47.4967

Harmonies

Analogous

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



44.8674, 40.2083, 6.8342



33.3137, 40.2083, 6.5774



24.9563, 40.2083, 12.0388

Triad

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



33.3137, 40.2083, 6.5774



24.3176, 40.2083, 103.2435



63.5324, 40.2083, 64.4084

Complementary

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



33.3137, 40.2083, 6.5774



8.3223, 3.7064, 41.3536

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.



55.4981, 40.2083, 107.6474



33.3137, 40.2083, 6.5774



32.2582, 40.2083, 136.6864

Square

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



33.3137, 40.2083, 6.5774



20.5095, 40.2083, 60.1736



43.5788, 40.2083, 138.6119



63.9731, 40.2083, 30.6722

Rectangle

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



33.3137, 40.2083, 6.5774



21.6723, 40.2083, 21.1457



43.5788, 40.2083, 138.6119



61.5670, 40.2083, 78.6018

Sweetspot

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



33.3146, 40.2102, 6.5782



67.5293, 75.8010, 47.8909



18.2314, 9.7074, 1.4856



14.4853, 16.3671, 9.6091



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.



33.3146, 40.2102, 6.5782



60.1653, 72.8161, 10.8839



20.5662, 33.6381, 5.9816



9.1916, 9.9039, 9.0797



24.3450, 29.4604, 4.4033



0.7677, 0.9278, 0.1386

Inverse Universe

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



8.3223, 3.7064, 41.3536



14.2311, 5.6945, 74.8444



12.9841, 6.1096, 41.5718



8.0468, 8.2326, 10.6713



5.7620, 2.3062, 30.2784



0.1829, 0.0734, 0.9528

Previews

White Background



This preview shows how the XYZ color 33.3137, 40.2083, 6.5774 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 33.3137, 40.2083, 6.5774 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 33.3137, 40.2083, 6.5774

Background



This preview shows how black text looks on a background with the XYZ color 33.3137, 40.2083, 6.5774.



This preview shows how white text looks on a background with the XYZ color 33.3137, 40.2083,

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

33.3137, 40.2083, 6.5774

Protanopia

36.2065, 39.9933, 6.3014

Deuteranopia

40.7237, 39.8848, 6.8485



Tritanopia

41.6054, 40.2503, 46.6505

Trichromacy



Original Color

33.3137, 40.2083, 6.5774

Protanomaly

35.1034, 39.9846, 6.3980

Deuteranomaly

37.6421, 39.6264, 6.6420

Tritanomaly

36.8608, 39.4045, 23.1158

Monochromacy



Original Color

33.3137, 40.2083, 6.5774

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.4188, 35.8643, 19.1765

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3137, 40.2083, 6.5774 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, 176, 18)` looks like.

```
.text, #text, p{  
    color:rgb(175, 176, 18)  
}
```

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, 176, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 176, 18) }
```

Border

The CSS property to change the border of an element to XYZ 33.3137, 40.2083, 6.5774 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, 176, 18) }
```


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

```
.border{ border-color:rgb(175, 176, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 176, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 176, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 176, 18);  
box-shadow:4px 4px 4px 4px rgb(175, 176,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3137, 40.2083, 6.5774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 176, 18) }
```

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

```
.background{ background-color: rgb(175,  
176, 18) }
```

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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