

Converting Colors

XYZ(33.6721, 36.3079, 39.6415)

Have a look what the booklet for
XYZ(33.6721, 36.3079, 39.6415)
contains.

XYZ(33.7017, 36.3277, 39.4181)	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(33.7017, 36.3277,
39.4181)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA4A2
RGB	157, 164, 162
RGB Percent	62%, 64%, 64%
CMY	0.3843, 0.3568, 0.3647
CMYK	0.04, 0.00, 0.01, 0.36
HSL	163°, 4%, 63%
HSV	163°, 4%, 64%
XYZ	33.7017, 36.3277, 39.4181
YIQ	161.6790, -3.5300, -2.1060

Conversions

Conversions Part 2

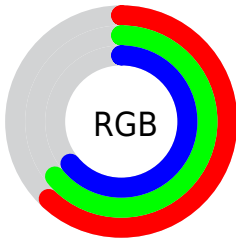
Format	Color
RYB	157, 161, 164
Decimal	10331298
CIELab	66.77, -2.87, 0.16
CIElCh	67, 2.875, 176.721
Yxy	36.3277, 0.3079, 0.3319
Android (android.graphics.Color)	4288521378 (0xFF9DA4A2)
YUV	161.6790, 0.1583, -4.1035
Hunter-Lab	60.2725, -5.6675, 3.4152

Details

The XYZ color **33.7017, 36.3277, 39.4181** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.6262, 34.5106, 37.6916**, and the grayscale version is **34.1939, 35.9746, 39.1764**.

A 20% lighter version of the original color is **65.0073, 69.6698, 75.6670**, and **14.5525, 15.7783, 17.0304** is the 20% darker color. If you saturate the color by 10%, you get **30.3053, 34.6251, 37.1236**, and if you desaturate by 10%, it is **37.5453, 38.2611, 41.8163**.

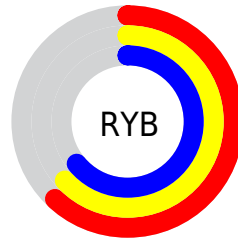
Distribution



Red (62%)

Green (64%)

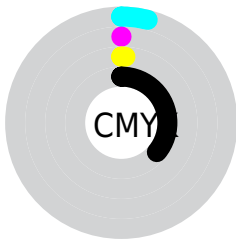
Blue (64%)



Red (62%)

Yellow (63%)

Blue (64%)

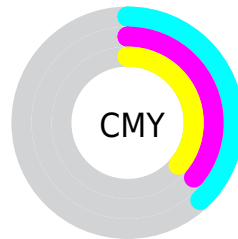


Cyan (4%)

Magenta (0%)

Yellow (1%)

Black (36%)



Cyan (38%)

Magenta (36%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7017, 36.3277, 39.4181 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 33.7017, 36.3277, 39.4181 by changing the saturation by 10% instead.

■ 33.7017, 36.3277,
39.4181

■ 33.7017, 36.3277,
39.4181

310.4093,
330.3906, 359.1437

■ 22.8263, 24.6874,
26.7748

■ 64.8169, 69.5376,
75.5040

■ 14.5853, 15.8443,
17.1732

■ 85.7874, 91.8759,
99.7836

■ 8.6133, 9.4140,
10.1948

110.8537,
118.5491, 128.7791

■ 4.5449, 5.0122,
5.4210

140.3812,
149.9414, 162.9091

■ 2.0148, 2.2544,
2.4333

174.7351,
186.4373, 202.5920

■ 0.6422, 0.7494,
0.8045

214.2808,

■ 0.0000, 0.0000,

228.4212, 248.2463

0.0000

259.3838,
276.2775, 300.2907

■ 33.7017, 36.3277,
39.4181

■ 33.7017, 36.3277,
39.4181

■ 30.3053, 34.6251,
37.1236

■ 37.5453, 38.2611,
41.8163

■ 27.3358, 33.1398,
34.9286

■ 41.8491, 40.4289,
44.3173

■ 24.7759, 31.8639,
32.8323

■ 46.6297, 42.8406,
46.9235

■ 22.6061, 30.7873,
30.8327

■ 51.9016, 45.5038,
49.6364

■ 20.8050, 29.8991,
28.9281

■ 57.6788, 48.4256,
52.4576

■ 19.3493, 29.1872,
27.1162

■ 63.8262, 51.5364,
55.3815

■ 18.2127, 28.6382,
25.3951

■ 64.3478, 51.7450,
58.1282

■ 17.3654, 28.2366,
23.7623

■ 64.8861, 51.9603,
60.9627

■ 16.7710, 27.9639,
22.2150

■ 65.4412, 52.1824,
63.8857

Harmonies

Analogous

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



33.8352, 36.3277, 38.2573



33.7017, 36.3277, 39.4181



33.7881, 36.3277, 40.6394

Triad

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



33.7017, 36.3277, 39.4181



34.9051, 36.3277, 41.7287



34.9885, 36.3277, 37.5896

Complementary

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



33.7017, 36.3277, 39.4181



33.6262, 34.5106, 37.6916

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.



35.2794, 36.3277, 38.4895



33.7017, 36.3277, 39.4181



35.2310, 36.3277, 40.8810

Square

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



33.7017, 36.3277, 39.4181



34.4807, 36.3277, 41.9897



35.3685, 36.3277, 39.6916



34.5762, 36.3277, 37.2156

Rectangle

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



33.7017, 36.3277, 39.4181



33.9593, 36.3277, 41.3208



35.3685, 36.3277, 39.6916



35.1038, 36.3277, 37.8397

Sweetspot

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



33.7027, 36.3292, 39.4189



63.3503, 67.0341, 72.9423



33.6804, 36.3681, 37.1434



13.8584, 14.6594, 15.9522



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



33.7027, 36.3292, 39.4189



60.6345, 65.6699, 71.1978



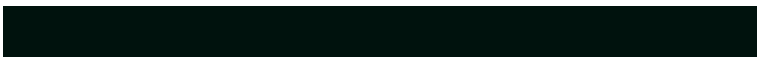
33.6330, 35.9025, 40.2811



7.4793, 8.1221, 8.8017



12.6665, 21.3529, 16.4921



0.2849, 0.4562, 0.4452

Inverse Universe

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



33.6262, 34.5106, 37.6916



60.4697, 61.7531, 67.4779



33.6921, 34.9183, 36.8630



7.4571, 7.5939, 8.3001



12.1491, 6.2157, 2.7098



0.2746, 0.1383, 0.1588

Previews

White Background



This preview shows how the XYZ color 33.7017, 36.3277, 39.4181 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 33.7017, 36.3277, 39.4181 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

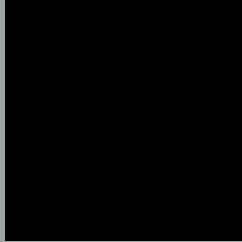
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

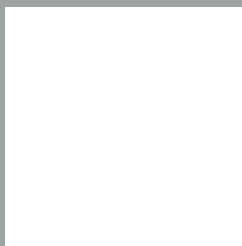
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7017, 36.3277, 39.4181

Background



This preview shows how black text looks on a background with the XYZ color 33.7017, 36.3277, 39.4181.



This preview shows how white text looks on a background with the XYZ color 33.7017, 36.3277,

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

33.7017, 36.3277, 39.4181

Protanopia

34.8704, 36.4132, 38.9088

Deuteranopia

36.7993, 36.1054, 39.6798



Tritanopia

34.9563, 36.3067, 45.7229

Trichromacy



Original Color

33.7017, 36.3277, 39.4181

Protanomaly

34.4305, 36.4490, 38.9389

Deuteranomaly

35.7592, 36.3320, 39.7784

Tritanomaly

34.4534, 36.3658, 43.2336

Monochromacy



Original Color

33.7017, 36.3277, 39.4181

Achromatopsia

34.3422, 36.1307, 39.3463

Achromatomaly

34.1160, 36.2766, 39.3864

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7017, 36.3277, 39.4181 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(157, 164, 162)` looks like.

```
.text, #text, p{  
    color:rgb(157, 164, 162)  
}
```

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(157, 164, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 164, 162) }
```

Border

The CSS property to change the border of an element to XYZ 33.7017, 36.3277, 39.4181 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(157, 164, 162) }
```


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

```
.border{ border-color:rgb(157, 164, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 164, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 164, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 164, 162);  
box-shadow:4px 4px 4px 4px rgb(157, 164,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7017, 36.3277, 39.4181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 164, 162) }
```

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

```
.background{ background-color: rgb(157,  
164, 162) }
```

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