

Converting Colors

XYZ(33.4960, 35.1095, 38.9036)

Have a look what the booklet for
XYZ(33.4960, 35.1095, 38.9036)
contains.

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Color

**XYZ(33.5010, 35.1884,
38.7446)**

Conversions

Conversions Part 1

Format	Color
Hex	A0A0A1
RGB	160, 160, 161
RGB Percent	63%, 63%, 63%
CMY	0.3725, 0.3725, 0.3686
CMYK	0.01, 0.01, 0.00, 0.37
HSL	240°, 1%, 63%
HSV	240°, 1%, 63%
XYZ	33.5010, 35.1884, 38.7446
YIQ	160.1140, -0.3210, 0.3110

Conversions

Conversions Part 2

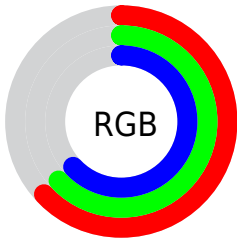
Format	Color
R_{YB}	160, 160, 161
Decimal	10526881
CIE Lab	65.90, 0.20, -0.53
CIE LCh	66, 0.562, 290.322
Yxy	35.1884, 0.3118, 0.3275
Android (android.graphics.Color)	4288716961 (0xFFFA0A0A1)
YUV	160.1140, 0.4368, -0.1000
Hunter-Lab	59.3198, -3.0014, 2.7987

Details

The XYZ color **33.5010, 35.1884, 38.7446** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.7880, 35.6044, 38.3496**, and the grayscale version is **33.4651, 35.2079, 38.3414**.

A 20% lighter version of the original color is **64.7194, 68.0058, 74.6811**, and **14.5898, 15.3143, 16.9388** is the 20% darker color. If you saturate the color by 10%, you get **27.8837, 28.4262, 37.7360**, and if you desaturate by 10%, it is **39.8964, 42.8870, 39.8940**.

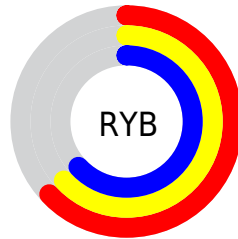
Distribution



Red (63%)

Green (63%)

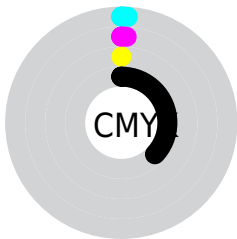
Blue (63%)



Red (63%)

Yellow (63%)

Blue (63%)

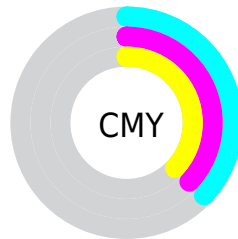


Cyan (1%)

Magenta (1%)

Yellow (0%)

Black (37%)



Cyan (37%)

Magenta (37%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5010, 35.1884, 38.7446 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 33.5010, 35.1884, 38.7446 by changing the saturation by 10% instead.

■ 33.5010, 35.1884,
38.7446

■ 33.5010, 35.1884,
38.7446

309.5265,
325.3991, 356.1969

■ 22.6716, 23.8080,
26.2548

■ 64.5064, 67.7775,
74.4640

■ 14.4706, 15.1913,
16.7869

■ 85.4131, 89.7551,
98.5307

■ 8.5326, 8.9537,
9.9223

110.4096,
116.0338, 127.2935

■ 4.4922, 4.7110,
5.2425

139.8612,
146.9981, 161.1708

■ 1.9842, 2.0787,
2.3290

174.1334,
183.0324, 200.5813

■ 0.6251, 0.6526,
0.7474

213.5914,

■ 0.0000, 0.0000,

224.5211, 245.9435

0.0000

258.6006,
271.8485, 297.6758

■ 33.5010, 35.1884,
38.7446

■ 33.5010, 35.1884,
38.7446

■ 27.8837, 28.4262,
37.7360

■ 39.8964, 42.8870,
39.8940

■ 23.0119, 22.5603,
36.8605

■ 47.0948, 51.5510,
41.1870

■ 18.8552, 17.5545,
36.1134

■ 55.1238, 61.2138,
42.6289

■ 15.3800, 13.3684,
35.4885

■ 64.0087, 71.9059,
44.2244

■ 12.5500, 9.9584,
34.9795

■ 73.7738, 83.6564,
45.9778

■ 10.3254, 7.2767,
34.5791

■ 83.4331, 95.3533,
47.7264

■ 8.6621, 5.2704,
34.2795

■ 7.5101, 3.8795,
34.0718

■ 6.8105, 3.0331,
33.9453

Harmonies

Analogous

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



33.4187, 35.1884, 38.7667



33.5010, 35.1884, 38.7446



33.5686, 35.1884, 38.6069

Triad

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



33.5010, 35.1884, 38.7446



33.5476, 35.1884, 37.9633



33.2884, 35.1884, 38.2374

Complementary

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



33.5010, 35.1884, 38.7446



33.7880, 35.6044, 38.3496

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.



33.3228, 35.1884, 38.0230



33.5010, 35.1884, 38.7446



33.4724, 35.1884, 37.8652

Square

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



33.5010, 35.1884, 38.7446



33.5955, 35.1884, 38.1556



33.3901, 35.1884, 37.8870



33.2960, 35.1884, 38.4732

Rectangle

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



33.5010, 35.1884, 38.7446



33.5961, 35.1884, 38.4684



33.3901, 35.1884, 37.8870



33.2954, 35.1884, 38.1604

Sweetspot

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



33.5020, 35.1899, 38.7454



60.6688, 63.8283, 69.5090



33.6741, 35.5365, 38.7955



13.3056, 13.9985, 15.2444



76.7382, 80.7346, 87.9200

Same Dimension

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



33.5020, 35.1899, 38.7454



59.5722, 62.5083, 69.3120



33.5983, 35.2388, 38.7497



7.8093, 8.1961, 9.0735



5.1428, 2.0650, 27.0573



0.1086, 0.0444, 0.5687

Inverse Universe

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



33.6147, 35.2573, 38.2932



59.9022, 62.7057, 67.9876



33.6912, 35.5553, 38.3452



7.8486, 8.2196, 8.9156



11.7413, 6.0526, 0.5624



0.2470, 0.1273, 0.0131

Previews

White Background



This preview shows how the XYZ color 33.5010, 35.1884, 38.7446 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 33.5010, 35.1884, 38.7446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

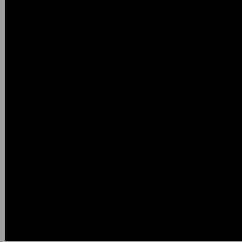
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

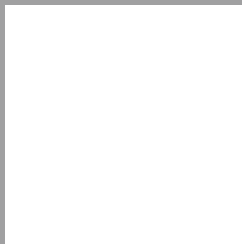
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.5010, 35.1884, 38.7446

Background



This preview shows how black text looks on a background with the XYZ color 33.5010, 35.1884, 38.7446.

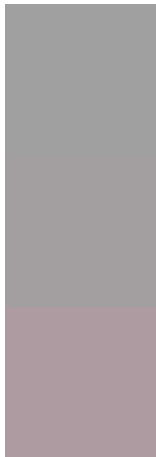


This preview shows how white text looks on a background with the XYZ color 33.5010, 35.1884,

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

33.5010, 35.1884, 38.7446

Protanopia

33.9354, 35.1560, 38.7154

Deuteranopia

35.6985, 35.0500, 39.0662



Tritanopia

34.4778, 35.0754, 43.4811

Trichromacy



Original Color

33.5010, 35.1884, 38.7446

Protanomaly

33.7315, 35.0509, 38.7059

Deuteranomaly

34.9407, 35.1576, 39.1269

Tritanomaly

34.0711, 35.1634, 41.5507

Monochromacy



Original Color

33.5010, 35.1884, 38.7446

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.4132, 35.1533, 38.2819

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5010, 35.1884, 38.7446 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(160, 160, 161)` looks like.

```
.text, #text, p{  
    color:rgb(160, 160, 161)  
}
```

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(160, 160, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 160, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.5010, 35.1884, 38.7446 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(160, 160, 161) }
```

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

```
.border{ border-color:rgb(160, 160, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 160, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(160, 160, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(160, 160, 161); box-shadow:4px 4px 4px 4px rgb(160, 160, 161) }
```


Background

The CSS property to change the background color of an element to XYZ 33.5010, 35.1884, 38.7446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 160, 161) }
```

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

```
.background{ background-color: rgb(160,  
160, 161) }
```

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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