

Converting Colors

XYZ(32.9697, 35.4586, 38.6006)

Have a look what the booklet for
XYZ(32.9697, 35.4586, 38.6006)
contains.

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Color

**XYZ(33.0637, 35.4818,
38.8242)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA2A1
RGB	156, 162, 161
RGB Percent	61%, 64%, 63%
CMY	0.3882, 0.3647, 0.3686
CMYK	0.04, 0.00, 0.01, 0.36
HSL	170°, 3%, 62%
HSV	170°, 4%, 64%
XYZ	33.0637, 35.4818, 38.8242
YIQ	160.0920, -3.2550, -1.5830

Conversions

Conversions Part 2

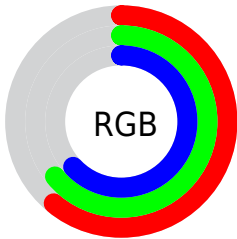
Format	Color
RYB	156, 159, 162
Decimal	10265249
CIELab	66.12, -2.33, -0.23
CIELCh	66, 2.338, 185.704
Yxy	35.4818, 0.3079, 0.3305
Android (android.graphics.Color)	4288455329 (0xFF9CA2A1)
YUV	160.0920, 0.4476, -3.5887
Hunter-Lab	59.5666, -5.1614, 3.0527

Details

The XYZ color **33.0637, 35.4818, 38.8242** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.8759, 33.8937, 36.7096**, and the grayscale version is **33.4560, 35.1983, 38.3309**.

A 20% lighter version of the original color is **63.7859, 68.2852, 74.7842**, and **14.2161, 15.2809, 16.9521** is the 20% darker color. If you saturate the color by 10%, you get **29.8997, 33.8790, 37.4443**, and if you desaturate by 10%, it is **36.6530, 37.3053, 40.2524**.

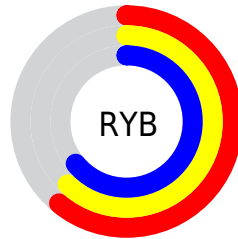
Distribution



Red (61%)

Green (64%)

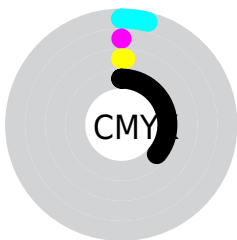
Blue (63%)



Red (61%)

Yellow (62%)

Blue (64%)

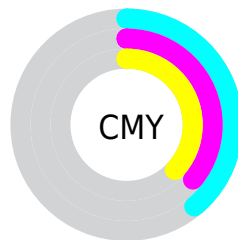


Cyan (4%)

Magenta (0%)

Yellow (1%)

Black (36%)



Cyan (39%)

Magenta (36%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0637, 35.4818, 38.8242 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 33.0637, 35.4818, 38.8242 by changing the saturation by 10% instead.

■ 33.0637, 35.4818,
38.8242

■ 33.0637, 35.4818,
38.8242

307.5966,
326.6899, 356.5461

■ 22.3347, 24.0342,
26.3162

■ 63.8290, 68.2315,
74.5871

■ 14.2210, 15.3590,
16.8325

■ 84.5960, 90.3024,
98.6790

■ 8.3573, 9.0717,
9.9544

109.4397,
116.6832, 127.4694

■ 4.3781, 4.7880,
5.2635

138.7255,
147.7584, 161.3767

■ 1.9182, 2.1234,
2.3413

172.8187,
183.9122, 200.8195

■ 0.5874, 0.6778,
0.7542

212.0848,

■ 0.0000, 0.0000,

225.5292, 246.2163

0.0000

256.8889,
272.9936, 297.9856

■ 33.0637, 35.4818,
38.8242

■ 33.0637, 35.4818,
38.8242

■ 29.8997, 33.8790,
37.4443

■ 36.6530, 37.3053,
40.2524

■ 27.1415, 32.4838,
36.1095

■ 40.6802, 39.3529,
41.7275

■ 24.7727, 31.2887,
34.8196

■ 45.1611, 41.6338,
43.2512

■ 22.7743, 30.2840,
33.5734

■ 50.1096, 44.1551,
44.8242

■ 21.1260, 29.4592,
32.3700

■ 55.5392, 46.9239,
46.4473

■ 19.8053, 28.8027,
31.2079

■ 61.4629, 49.9468,
48.1214

■ 18.7873, 28.3017,
30.0860

■ 62.3937, 50.3951,
49.5897

■ 18.0431, 27.9412,
29.0027

■ 62.6721, 50.5064,
51.0556

■ 17.5385, 27.7037,
27.9562

■ 62.9558, 50.6199,
52.5500

Harmonies

Analogous

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



33.1189, 35.4818, 37.8514



33.0637, 35.4818, 38.8242



33.1846, 35.4818, 39.7615

Triad

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



33.0637, 35.4818, 38.8242



34.1159, 35.4818, 40.2089



34.0001, 35.4818, 36.9152

Complementary

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



33.0637, 35.4818, 38.8242



32.8759, 33.8937, 36.7096

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.



34.2700, 35.4818, 37.5273



33.0637, 35.4818, 38.8242



34.3372, 35.4818, 39.4266

Square

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



33.0637, 35.4818, 38.8242



33.7909, 35.4818, 40.5698



34.3938, 35.4818, 38.4437



33.6580, 35.4818, 36.7601

Rectangle

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



33.0637, 35.4818, 38.8242



33.3492, 35.4818, 40.2367



34.3938, 35.4818, 38.4437



34.1024, 35.4818, 37.0738

Sweetspot

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



33.0647, 35.4833, 38.8250



61.6969, 65.2635, 71.1684



32.8464, 35.4207, 36.5588



13.8651, 14.6621, 15.9875



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.



33.0647, 35.4833, 38.8250



59.7971, 64.2994, 70.3862



32.8212, 34.8542, 39.1819



7.5721, 8.1668, 8.9458



13.6344, 21.7401, 21.5888



0.2992, 0.4619, 0.5204

Inverse Universe

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



32.8759, 33.8937, 36.7096



59.4210, 61.1323, 66.1716



33.1121, 34.5025, 36.3676



7.5178, 7.7097, 8.3376



11.9066, 6.1187, 1.4331



0.2630, 0.1337, 0.0976

Previews

White Background



This preview shows how the XYZ color 33.0637, 35.4818, 38.8242 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 33.0637, 35.4818, 38.8242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

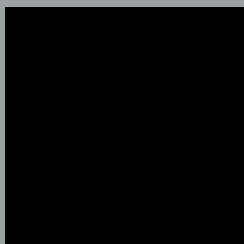
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

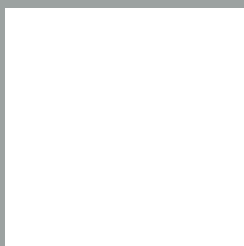
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0637, 35.4818, 38.8242

Background



This preview shows how black text looks on a background with the XYZ color 33.0637, 35.4818, 38.8242.



This preview shows how white text looks on a background with the XYZ color 33.0637, 35.4818,

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

33.0637, 35.4818, 38.8242

Protanopia

34.0202, 35.4662, 38.3103

Deuteranopia

36.0893, 35.4995, 39.1324



Tritanopia

34.2142, 35.4278, 44.5701

Trichromacy



Original Color

33.0637, 35.4818, 38.8242

Protanomaly

33.5872, 35.5014, 38.3399

Deuteranomaly

34.8969, 35.3872, 39.1736

Tritanomaly

33.8109, 35.5224, 42.6106

Monochromacy



Original Color

33.0637, 35.4818, 38.8242

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.3881, 35.3987, 38.3306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0637, 35.4818, 38.8242 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(156, 162, 161)` looks like.

```
.text, #text, p{  
    color:rgb(156, 162, 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(156, 162, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 162, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.0637, 35.4818, 38.8242 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(156, 162, 161) }
```


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

```
.border{ border-color:rgb(156, 162, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 162, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 162, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 162, 161);  
box-shadow:4px 4px 4px 4px rgb(156, 162,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0637, 35.4818, 38.8242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 162, 161) }
```

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

```
.background{ background-color: rgb(156,  
162, 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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