

Converting Colors

XYZ(33.6868, 38.8595, 38.0757)

Have a look what the booklet for
XYZ(33.6868, 38.8595, 38.0757)
contains.

XYZ(33.6928, 38.8398, 38.0688)	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(33.6928, 38.8398,
38.0688)**

Conversions

Conversions Part 1

Format	Color
Hex	96AD9E
RGB	150, 173, 158
RGB Percent	59%, 68%, 62%
CMY	0.4118, 0.3216, 0.3804
CMYK	0.13, 0.00, 0.09, 0.32
HSL	141°, 12%, 63%
HSV	141°, 13%, 68%
XYZ	33.6928, 38.8398, 38.0688
YIQ	164.4130, -8.8930, -9.5410

Conversions

Conversions Part 2

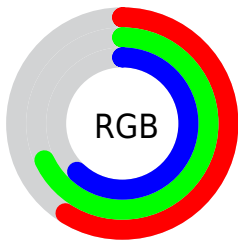
Format	Color
RYB	150, 167, 173
Decimal	9874846
CIELab	68.64, -10.94, 5.03
CIELCh	69, 12.042, 155.329
Yxy	38.8398, 0.3046, 0.3512
Android (android.graphics.Color)	4288064926 (0xFF96AD9E)
YUV	164.4130, -3.1616, -12.6402
Hunter-Lab	62.3216, -12.5607, 7.4081

Details

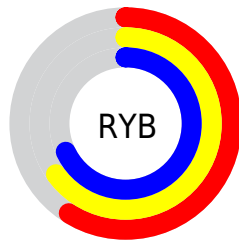
The XYZ color **33.6928, 38.8398, 38.0688** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.9328, 33.4145, 40.2076**, and the grayscale version is **35.5019, 37.3508, 40.6750**.

A 20% lighter version of the original color is **64.6555, 73.1283, 73.6583**, and **14.6368, 17.3889, 16.4949** is the 20% darker color. If you saturate the color by 10%, you get **29.8143, 36.9486, 33.0483**, and if you desaturate by 10%, it is **38.1327, 41.0123, 43.5828**.

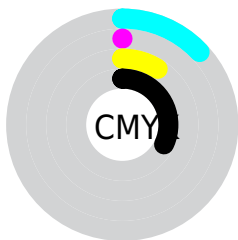
Distribution



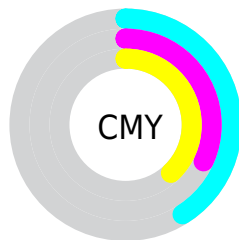
- Red (59%)
- Green (68%)
- Blue (62%)



- Red (59%)
- Yellow (65%)
- Blue (68%)



- Cyan (13%)
- Magenta (0%)
- Yellow (9%)
- Black (32%)





- Cyan (41%)
- Magenta (32%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.6928, 38.8398, 38.0688 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 33.6928, 38.8398, 38.0688 by changing the saturation by 10% instead.


 33.6928, 38.8398,
38.0688


 33.6928, 38.8398,
38.0688


310.3702,
341.2089, 353.2220

 22.8195, 26.6351,
25.7338


 64.8031, 73.3935,
73.4182

 14.5802, 17.2994,
16.4007


 85.7708, 96.5114,
97.2697

 8.6097, 10.4482,
9.6507


110.8341,
124.0357, 125.7971

 4.5426, 5.6971,
5.0654

140.3581,
156.3510, 159.4190

 2.0134, 2.6618,
2.2263

174.7084,
193.8415, 198.5539

 0.6415, 0.9578,
0.6895

214.2503,

 0.0000, 0.0000,

236.8918, 243.6203

0.0000

259.3491,
285.8861, 295.0369

■ 33.6928, 38.8398,
38.0688

■ 33.6928, 38.8398,
38.0688

■ 29.8143, 36.9486,
33.0483

■ 38.1327, 41.0123,
43.5828

■ 26.4712, 35.3222,
28.5051

■ 43.1522, 43.4720,
49.6007

■ 23.6398, 33.9499,
24.4260

■ 48.7730, 46.2308,
56.1358

■ 21.2937, 32.8184,
20.7960

■ 55.0144, 49.2984,
63.2003

■ 19.4039, 31.9130,
17.5997

■ 61.8948, 52.6842,
70.8058

■ 17.9383, 31.2174,
14.8202

■ 69.4321, 56.3970,
78.9635

■ 16.8601, 30.7131,
12.4401

■ 71.4682, 57.2622,
87.3954

■ 16.1257, 30.3780,
10.4400

■ 73.1693, 57.9426,
96.3533

■ 15.7644, 30.2167,
9.3001

■ 74.2343, 58.3686,
101.9614

Harmonies

Analogous

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



34.8422, 38.8398, 34.3107



33.6928, 38.8398, 38.0688



33.3946, 38.8398, 43.2698

Triad

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



33.6928, 38.8398, 38.0688



37.2566, 38.8398, 53.5939



39.9795, 38.8398, 36.5201

Complementary

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



33.6928, 38.8398, 38.0688



34.9328, 33.4145, 40.2076

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.



40.6768, 38.8398, 41.3250



33.6928, 38.8398, 38.0688



39.0706, 38.8398, 51.4192

Square

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



33.6928, 38.8398, 38.0688



35.4111, 38.8398, 52.5349



40.3386, 38.8398, 46.8121



38.4630, 38.8398, 33.4718

Rectangle

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



33.6928, 38.8398, 38.0688



33.7095, 38.8398, 46.9289



40.3386, 38.8398, 46.8121



40.3198, 38.8398, 37.9672

Sweetspot

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



33.6939, 38.8414, 38.0697



67.6387, 73.1285, 77.2550



36.0365, 40.1261, 34.7004



14.5662, 15.8272, 16.6261



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.6939, 38.8414, 38.0697



58.1654, 68.4973, 65.4036



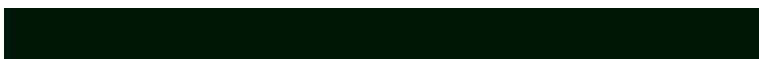
34.6996, 39.2437, 43.3658



8.0152, 8.9836, 9.1051



11.6055, 22.2075, 6.9622



0.3491, 0.6283, 0.3321

Inverse Universe

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



34.9328, 33.4145, 40.2076



60.8266, 56.8391, 69.9948



33.9600, 33.0253, 35.0845



8.2170, 8.1000, 9.4533



14.8711, 7.4110, 12.2328



0.4382, 0.2160, 0.4693

Previews

White Background



This preview shows how the XYZ color 33.6928, 38.8398, 38.0688 looks on a white background.

Color Contrast Check

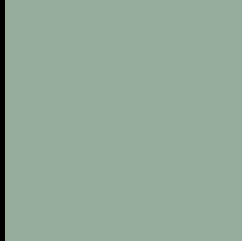
Large Text (above 18pt) WCAG AA × Fail

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 33.6928, 38.8398, 38.0688 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 33.6928, 38.8398, 38.0688

Background



This preview shows how black text looks on a background with the XYZ color 33.6928, 38.8398, 38.0688.



This preview shows how white text looks on a background with the XYZ color 33.6928, 38.8398,

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

33.6928, 38.8398, 38.0688

Protanopia

36.7025, 38.4898, 36.0667

Deuteranopia

39.3397, 38.4669, 38.6091



Tritanopia

36.0616, 38.6649, 50.3622

Trichromacy



Original Color

33.6928, 38.8398, 38.0688

Protanomaly

35.6214, 38.7418, 36.6108

Deuteranomaly

36.9467, 38.2977, 38.2458

Tritanomaly

35.1516, 38.5777, 45.6380

Monochromacy



Original Color

33.6928, 38.8398, 38.0688

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.6384, 37.6170, 39.6176

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6928, 38.8398, 38.0688 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(150, 173, 158)` looks like.

```
.text, #text, p{  
    color:rgb(150, 173, 158)  
}
```

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(150, 173, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 173, 158) }
```

Border

The CSS property to change the border of an element to XYZ 33.6928, 38.8398, 38.0688 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(150, 173, 158) }
```


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

```
.border{ border-color:rgb(150, 173, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 173, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 173, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 173, 158);  
box-shadow:4px 4px 4px 4px rgb(150, 173,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6928, 38.8398, 38.0688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 173, 158) }
```

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

```
.background{ background-color: rgb(150,  
173, 158) }
```

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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