

Converting Colors

XYZ(33.8887, 37.9445, 40.5019)

Have a look what the booklet for
XYZ(33.8887, 37.9445, 40.5019)
contains.

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Color

**XYZ(34.0245, 38.1052,
40.6837)**

Conversions

Conversions Part 1

Format	Color
Hex	98AAA4
RGB	152, 170, 164
RGB Percent	60%, 67%, 64%
CMY	0.4039, 0.3333, 0.3569
CMYK	0.11, 0.00, 0.04, 0.33
HSL	160°, 10%, 63%
HSV	160°, 11%, 67%
XYZ	34.0245, 38.1052, 40.6837
YIQ	163.9340, -8.8020, -5.6820

Conversions

Conversions Part 2

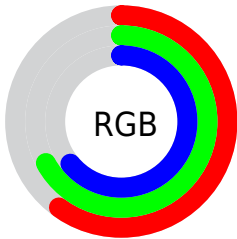
Format	Color
RYB	152, 163, 170
Decimal	10005156
CIELab	68.10, -7.47, 0.95
CIELCh	68, 7.530, 172.786
Yxy	38.1052, 0.3016, 0.3378
Android (android.graphics.Color)	4288195236 (0xFF98AAA4)
YUV	163.9340, 0.0325, -10.4661
Hunter-Lab	61.7294, -9.6394, 4.1346

Details

The XYZ color **34.0245, 38.1052, 40.6837** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.9788, 33.4722, 37.0195**, and the grayscale version is **35.2590, 37.0952, 40.3966**.

A 20% lighter version of the original color is **65.1650, 72.0867, 77.4974**, and **14.7699, 16.8934, 17.8115** is the 20% darker color. If you saturate the color by 10%, you get **30.5675, 36.3820, 37.9094**, and if you desaturate by 10%, it is **37.9625, 40.0759, 43.6012**.

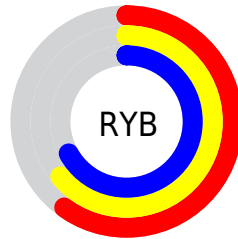
Distribution



Red (60%)

Green (67%)

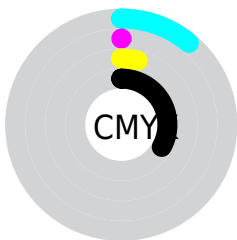
Blue (64%)



Red (60%)

Yellow (64%)

Blue (67%)

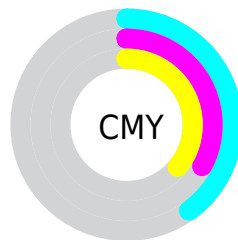


Cyan (11%)

Magenta (0%)

Yellow (4%)

Black (33%)



Cyan (40%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.0245, 38.1052, 40.6837 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 34.0245, 38.1052, 40.6837 by changing the saturation by 10% instead.

■ 34.0245, 38.1052,
40.6837

■ 34.0245, 38.1052,
40.6837

311.8253,
338.0710, 364.6343

■ 23.0754, 26.0643,
27.7542

■ 65.3158, 72.2694,
77.4520

■ 14.7702, 16.8718,
17.9030

■ 86.3887, 95.1614,
102.1278

■ 8.7435, 10.1431,
10.7117

111.5669,
122.4394, 131.5561

■ 4.6300, 5.4940,
5.7616

141.2158,
154.4876, 166.1555

■ 2.0644, 2.5399,
2.6342

175.7008,
191.6905, 206.3444

■ 0.6697, 0.8965,
0.9100

215.3871,

■ 0.0000, 0.0000,

234.4324, 252.5415

0.0000

260.6401,
283.0978, 305.1653

■ 34.0245, 38.1052,
40.6837

■ 34.0245, 38.1052,
40.6837

■ 30.5675, 36.3820,
37.9094

■ 37.9625, 40.0759,
43.6012

■ 27.5688, 34.8913,
35.2734

■ 42.3968, 42.2987,
46.6618

■ 25.0084, 33.6240,
32.7740

■ 47.3460, 44.7842,
49.8686

■ 22.8637, 32.5685,
30.4084

■ 52.8265, 47.5410,
53.2238

■ 21.1099, 31.7120,
28.1739

■ 58.8542, 50.5770,
56.7296

■ 19.7194, 31.0404,
26.0676

■ 65.4444, 53.9002,
60.3881

■ 18.6611, 30.5376,
24.0863

■ 66.4763, 54.3552,
63.9143

■ 17.8981, 30.1846,
22.2266

■ 67.1674, 54.6317,
67.5536

■ 17.3740, 29.9503,
20.5822

■ 67.8835, 54.9181,
71.3245

Harmonies

Analogous

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



34.4499, 38.1052, 37.7022



34.0245, 38.1052, 40.6837



34.1766, 38.1052, 44.0443

Triad

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



34.0245, 38.1052, 40.6837



37.0990, 38.1052, 47.7395



37.6001, 38.1052, 36.5522

Complementary

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



34.0245, 38.1052, 40.6837



33.9788, 33.4722, 37.0195

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.



38.3388, 38.1052, 39.0366



34.0245, 38.1052, 40.6837



38.0452, 38.1052, 45.5235

Square

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



34.0245, 38.1052, 40.6837



35.9352, 38.1052, 48.2390



38.5035, 38.1052, 42.3071



36.5020, 38.1052, 35.4020

Rectangle

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



34.0245, 38.1052, 40.6837



34.5866, 38.1052, 46.0376



38.5035, 38.1052, 42.3071



37.8997, 38.1052, 37.2524

Sweetspot

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



34.0256, 38.1068, 40.6845



67.0323, 71.7872, 77.7774



34.2032, 38.3177, 35.2998



14.8186, 15.9438, 17.2499



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.



34.0256, 38.1068, 40.6845



59.9893, 68.2669, 72.4570



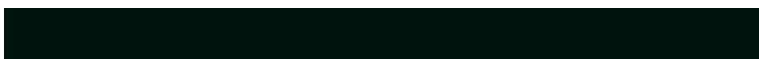
34.0796, 37.3267, 43.4407



7.6396, 8.4889, 9.0883



12.8066, 22.0414, 15.2800



0.3338, 0.5452, 0.4889

Inverse Universe

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



33.9788, 33.4722, 37.0195



59.8853, 57.9440, 64.2945



33.9178, 34.1571, 34.5118



7.6304, 7.5820, 8.3711



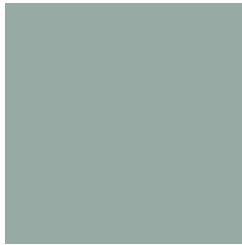
12.7557, 6.5110, 3.5252



0.3340, 0.1679, 0.2101

Previews

White Background



This preview shows how the XYZ color 34.0245, 38.1052, 40.6837 looks on a white background.

Color Contrast Check

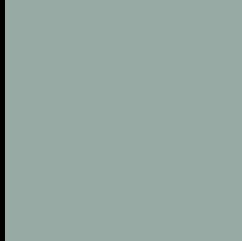
Large Text (above 18pt) WCAG AA × Fail

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 34.0245, 38.1052, 40.6837 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

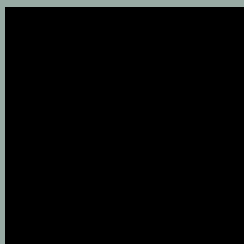
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

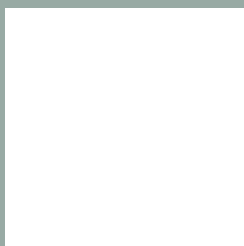
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.0245, 38.1052, 40.6837

Background



This preview shows how black text looks on a background with the XYZ color 34.0245, 38.1052, 40.6837.



This preview shows how white text looks on a background with the XYZ color 34.0245, 38.1052,

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

34.0245, 38.1052, 40.6837

Protanopia

36.4657, 38.0295, 39.1367

Deuteranopia

38.5098, 37.7185, 41.3271



Tritanopia

35.6768, 37.9422, 49.1593

Trichromacy



Original Color

34.0245, 38.1052, 40.6837

Protanomaly

35.4446, 38.0326, 39.6553

Deuteranomaly

36.6446, 37.8136, 40.9647

Tritanomaly

35.0669, 37.9704, 46.0382

Monochromacy



Original Color

34.0245, 38.1052, 40.6837

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.8343, 37.4264, 40.5100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.0245, 38.1052, 40.6837 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(152, 170, 164)` looks like.

```
.text, #text, p{  
    color:rgb(152, 170, 164)  
}
```

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(152, 170, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 170, 164) }
```

Border

The CSS property to change the border of an element to XYZ 34.0245, 38.1052, 40.6837 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(152, 170, 164) }
```


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

```
.border{ border-color:rgb(152, 170, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 170, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 170, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 170, 164);  
box-shadow:4px 4px 4px 4px rgb(152, 170,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 34.0245, 38.1052, 40.6837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 170, 164) }
```

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

```
.background{ background-color: rgb(152,  
170, 164) }
```

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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