

# Converting Colors

XYZ(33.5170, 38.1454, 43.3731)

Have a look what the booklet for  
XYZ(33.5170, 38.1454, 43.3731)  
contains.

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# Color

**XYZ(33.4014, 38.0101,  
43.1124)**

# Conversions

## Conversions Part 1

Format	Color
Hex	91ABA9
RGB	145, 171, 169
RGB Percent	57%, 67%, 66%
CMY	0.4314, 0.3294, 0.3372
CMYK	0.15, 0.00, 0.01, 0.33
HSL	175°, 13%, 62%
HSV	175°, 15%, 67%
XYZ	33.4014, 38.0101, 43.1124
YIQ	162.9980, -14.8540, -6.1340

# Conversions

## Conversions Part 2

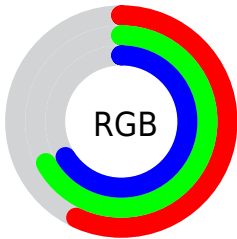
<b>Format</b>	<b>Color</b>
<b>RYB</b>	145, 159, 171
Decimal	9546665
CIELab	68.03, -9.35, -1.99
CIElCh	68, 9.558, 191.996
Yxy	38.0101, 0.2917, 0.3319
Android (android.graphics.Color)	4287736745 (0xFF91ABA9)
YUV	162.9980, 2.9590, -15.7842
Hunter-Lab	61.6523, -11.1856, 1.6962

# Details

The XYZ color **33.4014, 38.0101, 43.1124** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.1878, 31.0164, 31.8957**, and the grayscale version is **34.8042, 36.6167, 39.8756**.

A 20% lighter version of the original color is **64.2041, 71.9166, 81.0184**, and **14.4238, 16.8577, 19.3233** is the 20% darker color. If you saturate the color by 10%, you get **30.4894, 36.5241, 42.3348**, and if you desaturate by 10%, it is **36.7705, 39.7336, 43.9195**.

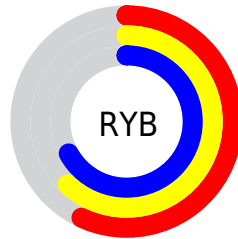
# Distribution



Red (57%)

Green (67%)

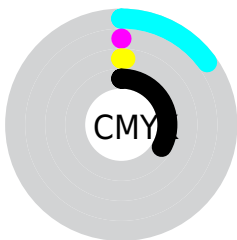
Blue (66%)



Red (57%)

Yellow (62%)

Blue (67%)

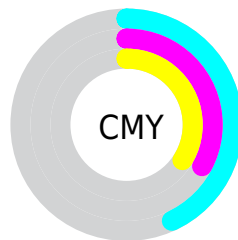


Cyan (15%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (43%)

Magenta (33%)

Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4014, 38.0101, 43.1124 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 33.4014, 38.0101, 43.1124 by changing the saturation by 10% instead.



■ 33.4014, 38.0101,  
43.1124

■ 33.4014, 38.0101,  
43.1124

309.0877,  
337.6633, 375.0086

■ 22.5948, 25.9905,  
29.6413

■ 64.3522, 72.1236,  
81.1686

■ 14.4137, 16.8166,  
19.3167

■ 85.2271, 94.9864,  
106.5908

■ 8.4926, 10.1038,  
11.7202

110.1889,  
122.2323, 136.8337

■ 4.4661, 5.4678,  
6.4333

139.6029,  
154.2458, 172.3159

■ 1.9691, 2.5243,  
3.0373

173.8344,  
191.4112, 213.4560

■ 0.6165, 0.8888,  
1.1137

213.2488,

■ 0.0000, 0.0000,

234.1130, 260.6724

0.0000

258.2114,  
282.7356, 314.3838

■ 33.4014, 38.0101,  
43.1124

■ 33.4014, 38.0101,  
43.1124

■ 30.4894, 36.5241,  
42.3348

■ 36.7705, 39.7336,  
43.9195

■ 28.0108, 35.2605,  
41.5831

■ 40.6122, 41.6996,  
44.7545

■ 25.9452, 34.2095,  
40.8573

■ 44.9455, 43.9188,  
45.6189

■ 24.2688, 33.3591,  
40.1561

■ 49.7874, 46.4001,  
46.5138

■ 22.9557, 32.6958,  
39.4783

■ 55.1540, 49.1518,  
47.4398

■ 21.9767, 32.2046,  
38.8226

■ 61.0607, 52.1817,  
48.3976

■ 21.2982, 31.8682,  
38.1873

■ 63.8615, 53.6103,  
49.2167

■ 20.8780, 31.6648,  
37.5704

■ 63.9946, 53.6636,  
49.9176

■ 20.7210, 31.5901,  
37.2790

■ 64.1289, 53.7173,  
50.6252

# Harmonies

## Analogous

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



33.4751, 38.0101, 38.9060



33.4014, 38.0101, 43.1124



34.0433, 38.0101, 47.1125

# Triad

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



33.4014, 38.0101, 43.1124



38.0751, 38.0101, 47.7775



37.0187, 38.0101, 34.0750

# Complementary

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



33.4014, 38.0101, 43.1124



32.1878, 31.0164, 31.8957

# 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.



38.2950, 38.0101, 36.1444



33.4014, 38.0101, 43.1124



38.9164, 38.0101, 43.9703

# Square

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



33.4014, 38.0101, 43.1124



36.7252, 38.0101, 49.9270



38.9980, 38.0101, 39.7074



35.5363, 38.0101, 33.8802



# Rectangle

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



33.4014, 38.0101, 43.1124



34.8011, 38.0101, 49.0480



38.9980, 38.0101, 39.7074



37.4871, 38.0101, 34.5676

# Sweetspot

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



33.4025, 38.0117, 43.1133



65.9266, 71.1962, 78.6712



31.7374, 37.3902, 32.3330



14.6040, 15.8270, 17.5216



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.



33.4025, 38.0117, 43.1133



58.1098, 67.2005, 76.7709



31.6286, 34.1607, 43.4565



8.2093, 9.0613, 10.1273



15.6286, 23.8167, 28.1477



0.4425, 0.6656, 0.8235



# Inverse Universe

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



32.1878, 31.0164, 31.8957



55.5453, 52.4303, 53.0870



33.7673, 34.4246, 31.6536



8.0293, 8.0250, 8.4653



12.7245, 6.5523, 0.9287



0.3619, 0.1854, 0.0675



# Previews

## White Background



This preview shows how the XYZ color 33.4014, 38.0101, 43.1124 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

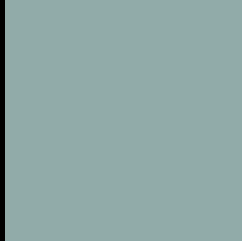
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 33.4014, 38.0101, 43.1124 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

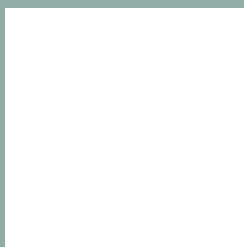
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.4014, 38.0101, 43.1124**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.4014, 38.0101, 43.1124.



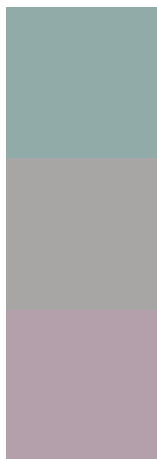
This preview shows how white text looks on a background with the XYZ color 33.4014, 38.0101,



# 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

33.4014, 38.0101, 43.1124

### Protanopia

36.3951, 37.9517, 41.0045

### Deuteranopia

38.5119, 37.6656, 43.7685



## Tritanopia

34.6641, 37.9564, 49.7553

# Trichromacy



## Original Color

33.4014, 38.0101, 43.1124

## Protanomaly

35.1989, 37.8642, 41.5297

## Deuteranomaly

36.4675, 37.6687, 43.3789

## Tritanomaly

34.1646, 38.0348, 47.1358

# Monochromacy



## Original Color

33.4014, 38.0101, 43.1124

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

34.1381, 37.0570, 40.9508

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.4014, 38.0101, 43.1124 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(145, 171, 169)` looks like.

```
.text, #text, p{  
    color:rgb(145, 171, 169)  
}
```

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(145, 171, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 171, 169) }
```

## Border

The CSS property to change the border of an element to XYZ 33.4014, 38.0101, 43.1124 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(145, 171, 169) }
```



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

```
.border{ border-color:rgb(145, 171, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 171, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 171, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 171, 169);  
box-shadow:4px 4px 4px 4px rgb(145, 171,  
169) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.4014, 38.0101, 43.1124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 171, 169) }
```

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

```
.background{ background-color: rgb(145,  
171, 169) }
```

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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