

Converting Colors

XYZ(38.1999, 40.4403, 43.3982)

Have a look what the booklet for
XYZ(38.1999, 40.4403, 43.3982)
contains.

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Color

**XYZ(38.3019, 40.5364,
43.3417)**

Conversions

Conversions Part 1

Format	Color
Hex	AAABA9
RGB	170, 171, 169
RGB Percent	67%, 67%, 66%
CMY	0.3333, 0.3294, 0.3373
CMYK	0.01, 0.00, 0.01, 0.33
HSL	90°, 1%, 67%
HSV	90°, 1%, 67%
XYZ	38.3019, 40.5364, 43.3417
YIQ	170.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

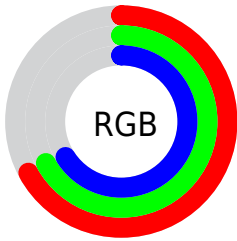
Format	Color
RYB	169, 171, 170
Decimal	11185065
CIELab	69.85, -0.73, 0.89
CIElCh	70, 1.153, 129.107
Yxy	40.5364, 0.3135, 0.3318
Android (android.graphics.Color)	4289375145 (0xFFAAABA9)
YUV	170.4730, -0.7262, -0.4148
Hunter-Lab	63.6682, -4.0363, 4.2065

Details

The XYZ color **38.3019, 40.5364, 43.3417** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1177, 39.8633, 44.2155**, and the grayscale version is **38.4490, 40.4514, 44.0516**.

A 20% lighter version of the original color is **71.7022, 75.7821, 81.3693**, and **17.2789, 18.3296, 19.4569** is the 20% darker color. If you saturate the color by 10%, you get **35.0096, 39.0138, 35.3484**, and if you desaturate by 10%, it is **41.9271, 42.2086, 52.4483**.

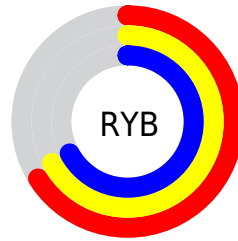
Distribution



Red (67%)

Green (67%)

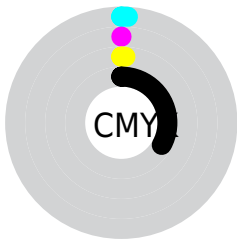
Blue (66%)



Red (66%)

Yellow (67%)

Blue (67%)

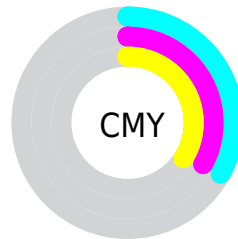


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (33%)



Cyan (33%)

Magenta (33%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3019, 40.5364, 43.3417 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 38.3019, 40.5364, 43.3417 by changing the saturation by 10% instead.

■ 38.3019, 40.5364,
43.3417

■ 38.3019, 40.5364,
43.3417

330.1718,
348.3793, 375.9775

■ 26.3954, 27.9570,
29.8199

■ 71.8716, 75.9796,
81.5181

■ 17.2539, 18.2933,
19.4511

94.2654, 99.6123,
107.0099

■ 10.5121, 11.1607,
11.8165

120.8857,
127.6981, 137.3287

■ 5.8046, 6.1751,
6.4979

152.0978,
160.6216, 172.8931

■ 2.7662, 2.9518,
3.0765

188.2671,
198.7670, 214.1216

■ 1.0314, 1.1066,
1.1338

229.7590,

■ 0.0000, 0.0000,

242.5188, 261.4328

0.0000

276.9388,
292.2615, 315.2453

■ 38.3019, 40.5364,
43.3417

■ 38.3019, 40.5364,
43.3417

■ 35.0096, 39.0138,
35.3484

■ 41.9271, 42.2086,
52.4483

■ 32.0364, 37.6313,
28.4231

■ 45.8916, 44.0295,
62.7060

■ 29.3724, 36.3858,
22.5213

■ 50.2060, 46.0047,
74.1540

■ 27.0061, 35.2726,
17.5942

■ 54.8793, 48.1382,
86.8288

■ 24.9250, 34.2862,
13.5892

■ 59.9201, 50.4336,
100.7655

■ 23.1155, 33.4210,
10.4487

■ 62.5469, 51.7785,
101.3054

■ 21.5628, 32.6708,
8.1085

■ 65.2268, 53.1600,
101.4308

■ 20.2503, 32.0285,
6.4955

■ 68.0417, 54.6112,
101.5626

■ 19.1587, 31.4861,
5.5233

■ 70.9935, 56.1329,
101.7007

Harmonies

Analogous

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



38.4717, 40.5364, 43.1266



38.3019, 40.5364, 43.3417



38.1931, 40.5364, 43.7704

Triad

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



38.3019, 40.5364, 43.3417



38.4003, 40.5364, 45.1079



38.8853, 40.5364, 43.9742

Complementary

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



38.3019, 40.5364, 43.3417



38.1177, 39.8633, 44.2155

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.



38.8661, 40.5364, 44.5061



38.3019, 40.5364, 43.3417



38.5857, 40.5364, 45.1636

Square

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



38.3019, 40.5364, 43.3417



38.2498, 40.5364, 44.7911



38.7563, 40.5364, 44.9425



38.8088, 40.5364, 43.4898

Rectangle

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



38.3019, 40.5364, 43.3417



38.1696, 40.5364, 44.1212



38.7563, 40.5364, 44.9425



38.8899, 40.5364, 44.1533

Sweetspot

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



38.3030, 40.5381, 43.3426



69.3244, 72.9347, 79.4259



38.3322, 40.2734, 43.2900



15.4596, 16.2647, 17.7123



82.5889, 86.8899, 94.6231

Same Dimension

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



38.3030, 40.5381, 43.3426



68.6904, 72.6419, 77.8555



38.0877, 40.4271, 43.3325



8.9192, 9.4282, 10.1186



13.8892, 23.4572, 3.7957



0.4496, 0.6851, 0.1085

Inverse Universe

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



38.1177, 39.8633, 44.2155



68.4017, 71.5908, 79.2151



38.3347, 39.9752, 44.2256



8.8849, 9.3033, 10.2801



8.4690, 3.7258, 29.3173



0.2988, 0.1362, 0.8185

Previews

White Background



This preview shows how the XYZ color 38.3019, 40.5364, 43.3417 looks on a white background.

Color Contrast Check

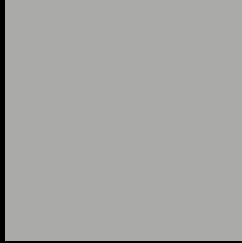
Large Text (above 18pt) WCAG AA × Fail

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 38.3019, 40.5364, 43.3417 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

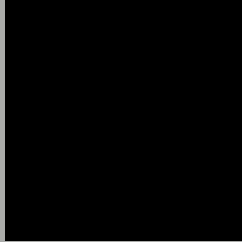
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3019, 40.5364, 43.3417

Background



This preview shows how black text looks on a background with the XYZ color 38.3019, 40.5364, 43.3417.



This preview shows how white text looks on a background with the XYZ color 38.3019, 40.5364,

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

38.3019, 40.5364, 43.3417

Protanopia

38.8982, 40.5753, 42.8274

Deuteranopia

41.2043, 40.3773, 43.6521



Tritanopia

39.6447, 40.5240, 49.9884

Trichromacy



Original Color

38.3019, 40.5364, 43.3417

Protanomaly

38.6762, 40.4608, 42.8171

Deuteranomaly

40.1305, 40.3635, 43.7060

Tritanomaly

39.1051, 40.5817, 47.3670

Monochromacy



Original Color

38.3019, 40.5364, 43.3417

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.2080, 40.1978, 43.7754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3019, 40.5364, 43.3417 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(170, 171, 169)` looks like.

```
.text, #text, p{  
    color:rgb(170, 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(170, 171, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 169) }
```

Border

The CSS property to change the border of an element to XYZ 38.3019, 40.5364, 43.3417 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(170, 171, 169) }
```

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

```
.border{ border-color:rgb(170, 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(170, 171, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 169);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
169) }
```


Background

The CSS property to change the background color of an element to XYZ 38.3019, 40.5364, 43.3417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 171, 169) }
```

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

```
.background{ background-color: rgb(170,  
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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