

Converting Colors

XYZ(38.5080, 38.4509, 39.8210)

Have a look what the booklet for
XYZ(38.5080, 38.4509, 39.8210)
contains.

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Color

**XYZ(38.5304, 38.5420,
40.0589)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A3A3
RGB	180, 163, 163
RGB Percent	71%, 64%, 64%
CMY	0.2941, 0.3608, 0.3608
CMYK	0.00, 0.09, 0.09, 0.29
HSL	0°, 10%, 67%
HSV	0°, 9%, 71%
XYZ	38.5304, 38.5420, 40.0589
YIQ	168.0830, 10.1320, 3.6040

Conversions

Conversions Part 2

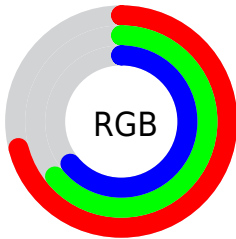
Format	Color
RYB	180, 163, 163
Decimal	11838371
CIELab	68.42, 6.18, 2.24
CIELCh	68, 6.570, 19.922
Yxy	38.5420, 0.3290, 0.3290
Android (android.graphics.Color)	4290028451 (0xFFB4A3A3)
YUV	168.0830, -2.5059, 10.4512
Hunter-Lab	62.0822, 2.1395, 5.2003

Details

The XYZ color **38.5304, 38.5420, 40.0589** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.6635, 43.7235, 49.5294**, and the grayscale version is **37.2695, 39.2104, 42.7001**.

A 20% lighter version of the original color is **72.3184, 73.0376, 76.6158**, and **17.3061, 17.0286, 17.4136** is the 20% darker color. If you saturate the color by 10%, you get **34.0600, 32.0009, 31.1701**, and if you desaturate by 10%, it is **43.6872, 46.0878, 50.3100**.

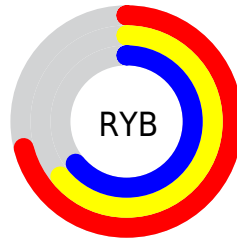
Distribution



Red (71%)

Green (64%)

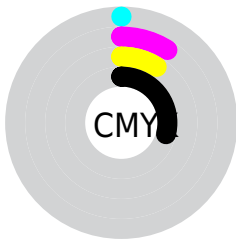
Blue (64%)



Red (71%)

Yellow (64%)

Blue (64%)

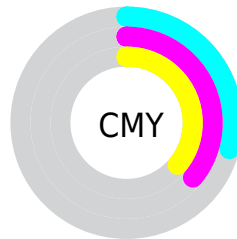


Cyan (0%)

Magenta (9%)

Yellow (9%)

Black (29%)



Cyan (29%)


Magenta (36%)


Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5304, 38.5420, 40.0589 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 38.5304, 38.5420, 40.0589 by changing the saturation by 10% instead.


 38.5304, 38.5420,
40.0589


 38.5304, 38.5420,
40.0589


331.1315,
339.9393, 361.9312

 26.5737, 26.4036,
27.2703

 72.2191, 72.9381,
76.4913

 17.3882, 17.1258,
17.5421


 94.6817, 95.9647,
100.9721

 10.6087, 10.3242,
10.4557


121.3770,
123.3894, 130.1875

 5.8697, 5.6145,
5.5926

152.6704,
155.5966, 164.5560

 2.8059, 2.6121,
2.5342

188.9272,
192.9709, 204.4961

 1.0520, 0.9328,
0.8582

230.5127,

 0.0000, 0.0000,

235.8965, 250.4263

0.0000

277.7923,
284.7578, 302.7651

■ 38.5304, 38.5420,
40.0589

■ 38.5304, 38.5420,
40.0589

■ 34.0600, 32.0009,
31.1701

■ 43.6872, 46.0878,
50.3100

■ 30.2442, 26.4173,
23.5840

■ 49.5544, 54.6728,
61.9747

■ 27.0531, 21.7479,
17.2402

■ 56.1585, 64.3360,
75.1048

■ 24.4535, 17.9439,
12.0724

■ 63.5239, 75.1132,
89.7486

■ 22.4091, 14.9523,
8.0085

■ 71.6738, 87.0381,
105.9522

■ 20.8795, 12.7139,
4.9681

■ 72.6325, 88.4434,
107.8509

■ 19.8189, 11.1618,
2.8602

■ 19.1735, 10.2172,
1.5777

■ 18.8393, 9.7280,
0.9135

Harmonies

Analogous

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



38.6216, 38.5420, 42.9680



38.5304, 38.5420, 40.0589



37.9255, 38.5420, 37.7658

Triad

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



38.5304, 38.5420, 40.0589



35.1356, 38.5420, 38.4122



36.2869, 38.5420, 47.8132

Complementary

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



38.5304, 38.5420, 40.0589



39.6635, 43.7235, 49.5294

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.



35.3703, 38.5420, 46.4660



38.5304, 38.5420, 40.0589



34.7139, 38.5420, 40.9791

Square

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



38.5304, 38.5420, 40.0589



35.9610, 38.5420, 36.8464



34.7990, 38.5420, 43.9320



37.3133, 38.5420, 47.5384

Rectangle

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



38.5304, 38.5420, 40.0589



37.3184, 38.5420, 36.8513



34.7990, 38.5420, 43.9320



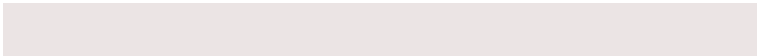
35.9560, 38.5420, 47.5327

Sweetspot

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



38.5315, 38.5437, 40.0597



75.6953, 78.4181, 84.2270



40.1582, 39.1935, 48.6289



16.1967, 16.7093, 17.8789



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



38.5315, 38.5437, 40.0597



68.3633, 67.6897, 69.6503



40.0912, 41.6632, 40.5796



8.4965, 8.5055, 8.8464



13.1372, 6.7729, 0.6149



0.4134, 0.2132, 0.0194

Inverse Universe

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



39.6635, 43.7235, 49.5294



70.7664, 78.6854, 89.7526



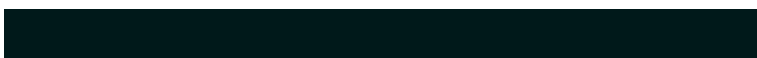
38.0005, 40.3974, 48.9750



8.7425, 9.6313, 10.9046



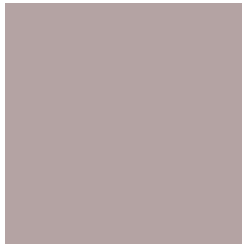
17.1363, 25.0729, 34.0734



0.5392, 0.7890, 1.0721

Previews

White Background



This preview shows how the XYZ color 38.5304, 38.5420, 40.0589 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 38.5304, 38.5420, 40.0589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

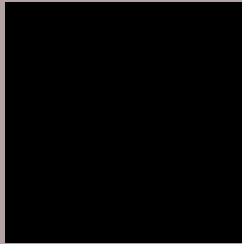
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5304, 38.5420, 40.0589

Background



This preview shows how black text looks on a background with the XYZ color 38.5304, 38.5420, 40.0589.



This preview shows how white text looks on a background with the XYZ color 38.5304, 38.5420,

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

38.5304, 38.5420, 40.0589

Protanopia

37.0053, 38.5351, 41.0849

Deuteranopia

39.1229, 38.3244, 39.9857



Tritanopia

39.6763, 38.4908, 45.3827

Trichromacy



Original Color

38.5304, 38.5420, 40.0589

Protanomaly

37.6115, 38.5893, 40.5881

Deuteranomaly

39.0596, 38.5523, 40.0330

Tritanomaly

39.2321, 38.5667, 43.4066

Monochromacy



Original Color

38.5304, 38.5420, 40.0589

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.5324, 38.7963, 41.5867

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5304, 38.5420, 40.0589 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(180, 163, 163)` looks like.

```
.text, #text, p{  
    color:rgb(180, 163, 163)  
}
```

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(180, 163, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 163, 163) }
```

Border

The CSS property to change the border of an element to XYZ 38.5304, 38.5420, 40.0589 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(180, 163, 163) }
```


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

```
.border{ border-color:rgb(180, 163, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 163, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 163, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 163, 163);  
box-shadow:4px 4px 4px 4px rgb(180, 163,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5304, 38.5420, 40.0589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 163, 163) }
```

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

```
.background{ background-color: rgb(180,  
163, 163) }
```

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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