

Converting Colors

XYZ(38.7076, 39.0791, 39.9928)

Have a look what the booklet for
XYZ(38.7076, 39.0791, 39.9928)
contains.

XYZ(38.8884, 39.2579, 40.1782)	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(38.8884, 39.2579,
40.1782)**

Conversions

Conversions Part 1

Format	Color
Hex	B4A5A3
RGB	180, 165, 163
RGB Percent	71%, 65%, 64%
CMY	0.2941, 0.3529, 0.3608
CMYK	0.00, 0.08, 0.09, 0.29
HSL	7°, 10%, 67%
HSV	7°, 9%, 71%
XYZ	38.8884, 39.2579, 40.1782
YIQ	169.2570, 9.5820, 2.5580

Conversions

Conversions Part 2

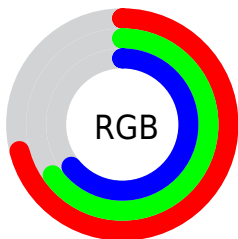
Format	Color
RYB	180, 165, 163
Decimal	11838883
CIELab	68.94, 5.08, 2.99
CIElCh	69, 5.896, 30.498
Yxy	39.2579, 0.3287, 0.3318
Android (android.graphics.Color)	4290028963 (0xFFB4A5A3)
YUV	169.2570, -3.0847, 9.4216
Hunter-Lab	62.6561, 1.1403, 5.8396

Details

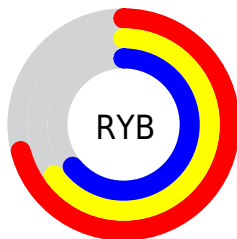
The XYZ color **38.8884, 39.2579, 40.1782** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.2628, 42.9219, 49.3959**, and the grayscale version is **37.8517, 39.8229, 43.3671**.

A 20% lighter version of the original color is **72.8402, 74.0812, 76.7897**, and **17.5268, 17.4700, 17.4872** is the 20% darker color. If you saturate the color by 10%, you get **34.7008, 33.2823, 31.3837**, and if you desaturate by 10%, it is **43.6634, 46.0400, 50.3020**.

Distribution



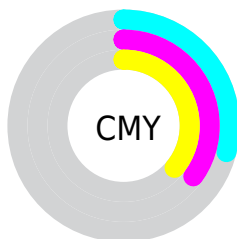
- Red (71%)
- Green (65%)
- Blue (64%)



- Red (71%)
- Yellow (65%)
- Blue (64%)



- Cyan (0%)
- Magenta (8%)
- Yellow (9%)
- Black (29%)





- Cyan (29%)
- Magenta (35%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8884, 39.2579, 40.1782 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 38.8884, 39.2579, 40.1782 by changing the saturation by 10% instead.


 38.8884, 39.2579,
40.1782


 38.8884, 39.2579,
40.1782


332.6311,
342.9857, 362.4485

 26.8533, 26.9604,
27.3627


 72.7630, 74.0321,
76.6748

 17.5991, 17.5435,
17.6109

 95.3331, 97.2777,
101.1930

 10.7605, 10.6227,
10.5045


122.1456,
124.9414, 130.4492

 5.9721, 5.8138,
5.6248

153.5658,
157.4076, 164.8619

 2.8686, 2.7322,
2.5532

189.9591,
195.0607, 204.8496

 1.0847, 0.9936,
0.8682

231.6909,

 0.0122, 0.0000,

238.2852, 250.8309

0.0000

279.1264,
287.4654, 303.2244

■ 0.0000, 0.0000,
0.0000

■ 38.8884, 39.2579,
40.1782

■ 38.8884, 39.2579,
40.1782

■ 34.7008, 33.2823,
31.3837

■ 43.6634, 46.0400,
50.3020

■ 31.0747, 28.0783,
23.8608

■ 49.0439, 53.6517,
61.8046

■ 27.9871, 23.6159,
17.5515

■ 55.0514, 62.1216,
74.7358

■ 25.4122, 19.8612,
12.3919

■ 61.7051, 71.4753,
89.1423

■ 23.3219, 16.7778,
8.3127

■ 69.0236, 81.7375,
105.0689

■ 21.6855, 14.3259,
5.2367

■ 72.6326, 88.4434,
107.8509

■ 20.4688, 12.4615,
3.0768

■ 19.6324, 11.1349,
1.7306

■ 19.1168, 10.2830,
1.0060

Harmonies

Analogous

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



39.1453, 39.2579, 42.7003



38.8884, 39.2579, 40.1782



38.2083, 39.2579, 38.4074

Triad

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



38.8884, 39.2579, 40.1782



35.7664, 39.2579, 40.2528



37.3291, 39.2579, 48.1184

Complementary

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



38.8884, 39.2579, 40.1782



39.2628, 42.9219, 49.3959

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.



36.4327, 39.2579, 47.3978



38.8884, 39.2579, 40.1782



35.5397, 39.2579, 42.7901

Square

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



38.8884, 39.2579, 40.1782



36.4060, 39.2579, 38.4492



35.7816, 39.2579, 45.4192



38.2358, 39.2579, 47.3498

Rectangle

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



38.8884, 39.2579, 40.1782



37.6118, 39.2579, 37.8527



35.7816, 39.2579, 45.4192



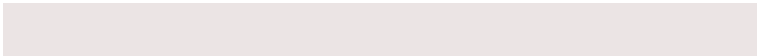
37.0167, 39.2579, 48.0420

Sweetspot

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



38.8895, 39.2596, 40.1790



75.9230, 78.8737, 84.3030



39.9577, 39.1133, 47.5724



16.2582, 16.8324, 17.8994



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.



38.8895, 39.2596, 40.1790



69.1144, 69.1918, 69.9006



40.4702, 42.4210, 40.7059



8.5744, 8.6612, 8.8724



13.3536, 7.2059, 0.6871



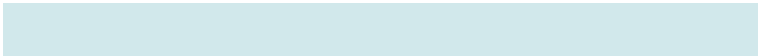
0.4460, 0.2783, 0.0302

Inverse Universe

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



39.2628, 42.9219, 49.3959



69.9066, 76.9657, 89.4660



37.6273, 39.6509, 48.8508



8.6555, 9.4572, 10.8756



14.4097, 19.6198, 33.1645



0.4774, 0.6653, 1.0515

Previews

White Background



This preview shows how the XYZ color 38.8884, 39.2579, 40.1782 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 38.8884, 39.2579, 40.1782 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

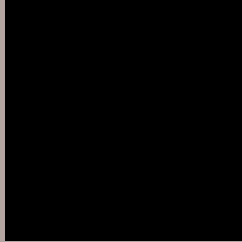
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8884, 39.2579, 40.1782

Background



This preview shows how black text looks on a background with the XYZ color 38.8884, 39.2579, 40.1782.



This preview shows how white text looks on a background with the XYZ color 38.8884, 39.2579,

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

38.8884, 39.2579, 40.1782

Protanopia

37.7167, 39.4563, 40.7499

Deuteranopia

39.9578, 39.2778, 40.1257



Tritanopia

40.2251, 39.2741, 46.5349

Trichromacy



Original Color

38.8884, 39.2579, 40.1782

Protanomaly

38.1988, 39.4317, 40.7198

Deuteranomaly

39.6535, 39.3856, 40.1626

Tritanomaly

39.6822, 39.3150, 44.0251

Monochromacy



Original Color

38.8884, 39.2579, 40.1782

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

38.2113, 39.6795, 42.2042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8884, 39.2579, 40.1782 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, 165, 163)` looks like.

```
.text, #text, p{  
    color:rgb(180, 165, 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, 165, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 165, 163) }
```

Border

The CSS property to change the border of an element to XYZ 38.8884, 39.2579, 40.1782 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, 165, 163) }
```


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

```
.border{ border-color:rgb(180, 165, 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, 165, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 165, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 165, 163);  
box-shadow:4px 4px 4px 4px rgb(180, 165,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8884, 39.2579, 40.1782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 165, 163) }
```

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

```
.background{ background-color: rgb(180,  
165, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor