

Converting Colors

XYZ(38.8802, 40.6613, 46.6045)

Have a look what the booklet for
XYZ(38.8802, 40.6613, 46.6045)
contains.

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Color

**XYZ(38.8783, 40.7670,
46.3772)**

Conversions

Conversions Part 1

Format	Color
Hex	AAABAF
RGB	170, 171, 175
RGB Percent	67%, 67%, 69%
CMY	0.3333, 0.3294, 0.3137
CMYK	0.03, 0.02, 0.00, 0.31
HSL	228°, 3%, 68%
HSV	228°, 3%, 69%
XYZ	38.8783, 40.7670, 46.3772
YIQ	171.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

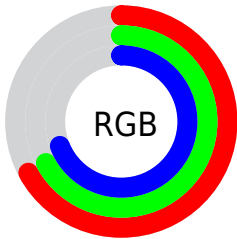
Format	Color
RYB	170, 171, 175
Decimal	11185071
CIELab	70.01, 0.42, -2.18
CIELCh	70, 2.222, 280.784
Yxy	40.7670, 0.3085, 0.3235
Android (android.graphics.Color)	4289375151 (0xFFAAABAF)
YUV	171.1570, 1.8946, -1.0147
Hunter-Lab	63.8490, -3.0454, 1.6286

Details

The XYZ color **38.8783, 40.7670, 46.3772** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.0710, 42.2878, 44.0811**, and the grayscale version is **38.7800, 40.7995, 44.4307**.

A 20% lighter version of the original color is **72.5306, 76.1134, 85.7315**, and **17.6432, 18.4753, 21.3751** is the 20% darker color. If you saturate the color by 10%, you get **32.8403, 33.9380, 45.3779**, and if you desaturate by 10%, it is **45.7019, 48.4185, 47.4951**.

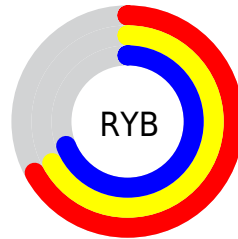
Distribution



Red (67%)

Green (67%)

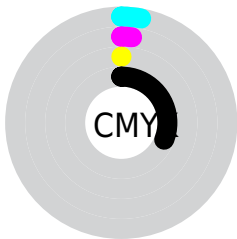
Blue (69%)



Red (67%)

Yellow (67%)

Blue (69%)

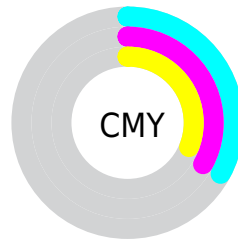


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (31%)



Cyan (33%)

Magenta (33%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8783, 40.7670, 46.3772 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 38.8783, 40.7670, 46.3772 by changing the saturation by 10% instead.

■ 38.8783, 40.7670,
46.3772

■ 38.8783, 40.7670,
46.3772

332.5889,
349.3459, 388.6446

■ 26.8454, 28.1371,
32.1928

■ 72.7476, 76.3301,
86.1234

■ 17.5931, 18.4290,
21.2427

95.3147, 100.0320,
112.5223

■ 10.7562, 11.2584,
13.1086

122.1239,
128.1934, 143.8298

■ 5.9692, 6.2409,
7.3718

153.5406,
161.1986, 180.4644

■ 2.8668, 2.9921,
3.6137

189.9301,
199.4321, 222.8446

■ 1.0837, 1.1276,
1.4159

231.6577,

■ 0.0114, 0.0014,

243.2782, 271.3890

0.1541

279.0888,
293.1213, 326.5162

■ 0.0000, 0.0000,
0.0000

■ 38.8783, 40.7670,
46.3772

■ 38.8783, 40.7670,
46.3772

■ 32.8403, 33.9380,
45.3779

■ 45.7019, 48.4185,
47.4951

■ 27.5561, 27.8987,
44.4907

■ 53.3347, 56.9135,
48.7325

■ 22.9966, 22.6219,
43.7125

■ 61.8033, 66.2787,
50.0938

■ 19.1296, 18.0766,
43.0390

■ 71.1323, 76.5380,
51.5823

■ 15.9206, 14.2300,
42.4657

■ 80.4188, 87.2368,
53.1580

■ 13.3317, 11.0464,
41.9876

■ 84.7190, 95.8372,
54.5914

■ 11.3212, 8.4869,
41.5995

■ 84.7380, 95.8752,
54.5977

■ 9.8420, 6.5083,
41.2956

■ 8.8389, 5.0614,
41.0692

Harmonies

Analogous

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



38.5190, 40.7670, 46.2991



38.8783, 40.7670, 46.3772



39.2046, 40.7670, 45.9162

Triad

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



38.8783, 40.7670, 46.3772



39.2777, 40.7670, 43.0978



38.0937, 40.7670, 43.7349

Complementary

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



38.8783, 40.7670, 46.3772



40.0710, 42.2878, 44.0811

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.



38.2945, 40.7670, 42.8947



38.8783, 40.7670, 46.3772



38.9775, 40.7670, 42.5309

Square

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



38.8783, 40.7670, 46.3772



39.4362, 40.7670, 44.0161



38.6176, 40.7670, 42.4572



38.0675, 40.7670, 44.7627

Rectangle

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



38.8783, 40.7670, 46.3772



39.3590, 40.7670, 45.3693



38.6176, 40.7670, 42.4572



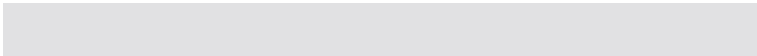
38.1430, 40.7670, 43.4216

Sweetspot

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



38.8795, 40.7687, 46.3781



71.7720, 75.4234, 83.4123



39.5400, 42.2594, 46.0753



15.9664, 16.7798, 18.5416



84.5950, 89.0005, 96.9216



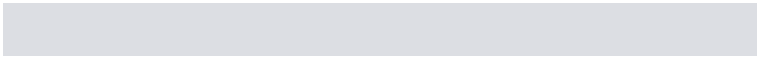
16.2198, 17.0645, 18.5832

Same Dimension

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



38.8795, 40.7687, 46.3781



69.4069, 72.7623, 83.0233



38.9986, 40.5499, 46.3296



8.4606, 8.8622, 10.2174



6.0102, 3.1543, 29.3366



0.2041, 0.1616, 0.8284

Inverse Universe

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



39.4055, 40.8044, 44.3293



70.4120, 72.8310, 79.1083



39.9492, 42.5138, 44.1312



8.6110, 8.8729, 9.6315



12.8973, 6.6215, 1.8388



0.3774, 0.1917, 0.1493

Previews

White Background



This preview shows how the XYZ color 38.8783, 40.7670, 46.3772 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 38.8783, 40.7670, 46.3772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

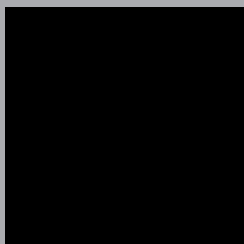
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8783, 40.7670, 46.3772

Background



This preview shows how black text looks on a background with the XYZ color 38.8783, 40.7670, 46.3772.



This preview shows how white text looks on a background with the XYZ color 38.8783, 40.7670,

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

38.8783, 40.7670, 46.3772

Protanopia

39.2483, 40.6897, 45.8297

Deuteranopia

41.4803, 40.7213, 46.7480



Tritanopia

39.7166, 40.8263, 50.5867

Trichromacy



Original Color

38.8783, 40.7670, 46.3772

Protanomaly

39.0280, 40.5761, 45.8194

Deuteranomaly

40.6615, 40.8432, 46.8147

Tritanomaly

39.4075, 40.7027, 48.9594

Monochromacy



Original Color

38.8783, 40.7670, 46.3772

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.8039, 40.7623, 44.8525

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8783, 40.7670, 46.3772 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, 175)` looks like.

```
.text, #text, p{  
    color:rgb(170, 171, 175)  
}
```

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, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 171, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.8783, 40.7670, 46.3772 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, 175) }
```


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

```
.border{ border-color:rgb(170, 171, 175) }
```

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, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 171, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 171, 175);  
box-shadow:4px 4px 4px 4px rgb(170, 171,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8783, 40.7670, 46.3772 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, 175) }
```

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

```
.background{ background-color: rgb(170,  
171, 175) }
```

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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