

Converting Colors

XYZ(38.6751, 41.0420, 46.1348)

Have a look what the booklet for
XYZ(38.6751, 41.0420, 46.1348)
contains.

XYZ(38.5410, 40.8859, 45.9048)	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(38.5410, 40.8859,
45.9048)**

Conversions

Conversions Part 1

Format	Color
Hex	A8ACAE
RGB	168, 172, 174
RGB Percent	66%, 67%, 68%
CMY	0.3412, 0.3255, 0.3176
CMYK	0.03, 0.01, 0.00, 0.32
HSL	200°, 4%, 67%
HSV	200°, 3%, 68%
XYZ	38.5410, 40.8859, 45.9048
YIQ	171.0320, -3.0260, -0.2260

Conversions

Conversions Part 2

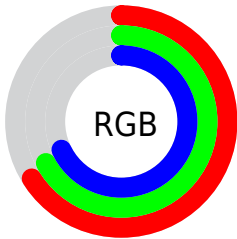
Format	Color
R _Y B	168, 170, 174
Decimal	11054254
CIE Lab	70.10, -1.02, -1.53
CIE LCh	70, 1.836, 236.216
Yxy	40.8859, 0.3075, 0.3262
Android (android.graphics.Color)	4289244334 (0xFFA8ACAE)
YUV	171.0320, 1.4632, -2.6591
Hunter-Lab	63.9421, -4.3080, 2.1944

Details

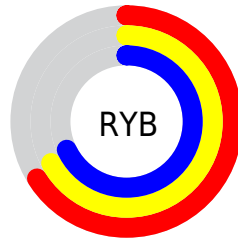
The XYZ color **38.5410, 40.8859, 45.9048** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.8983, 40.5749, 42.8281**, and the grayscale version is **38.7197, 40.7362, 44.3617**.

A 20% lighter version of the original color is **72.0434, 76.2833, 85.0558**, and **17.4318, 18.5511, 21.0743** is the 20% darker color. If you saturate the color by 10%, you get **34.0036, 36.9470, 45.3843**, and if you desaturate by 10%, it is **43.6245, 45.1800, 46.4663**.

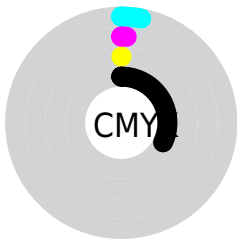
Distribution



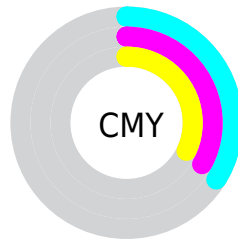
- Red (66%)
- Green (67%)
- Blue (68%)



- Red (66%)
- Yellow (67%)
- Blue (68%)



- Cyan (3%)
- Magenta (1%)
- Yellow (0%)
- Black (32%)



- Cyan (34%)
- Magenta (33%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5410, 40.8859, 45.9048 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 38.5410, 40.8859, 45.9048 by changing the saturation by 10% instead.

■ 38.5410, 40.8859,
45.9048

■ 38.5410, 40.8859,
45.9048

331.1759,
349.8435, 386.6922

■ 26.5820, 28.2299,
31.8226

■ 72.2352, 76.5107,
85.4093

■ 17.3945, 18.4991,
20.9623

■ 94.7010, 100.2482,
111.6686

■ 10.6132, 11.3089,
12.9055

121.3998,
128.4485, 142.8241

■ 5.8727, 6.2750,
7.2335

152.6969,
161.4958, 179.2942

■ 2.8078, 3.0130,
3.5279

188.9578,
199.7746, 221.4976

■ 1.0529, 1.1385,
1.3701

230.5476,

■ 0.0000, 0.0106,

243.6692, 269.8527

0.1182

277.8319,
293.5640, 324.7780

■ 0.0000, 0.0000,
0.0000

■ 38.5410, 40.8859,
45.9048

■ 38.5410, 40.8859,
45.9048

■ 34.0036, 36.9470,
45.3843

■ 43.6245, 45.1800,
46.4663

■ 29.9886, 33.3466,
44.9010

■ 49.2697, 49.8347,
47.0672

■ 26.4758, 30.0747,
44.4546

■ 55.4958, 54.8619,
47.7094

■ 23.4421, 27.1184,
44.0438

■ 62.3200, 60.2714,
48.3939

■ 20.8627, 24.4639,
43.6674

■ 69.7581, 66.0721,
49.1215

■ 18.7103, 22.0961,
43.3238

■ 71.1336, 68.8230,
49.5800

■ 16.9543, 19.9984,
43.0115

■ 72.5605, 71.6768,
50.0556

■ 15.5599, 18.1517,
42.7285

■ 74.0394, 74.6346,
50.5486

■ 14.4853, 16.5335,
42.4728

■ 75.5708, 77.6974,
51.0591

Harmonies

Analogous

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



38.3457, 40.8859, 45.2515



38.5410, 40.8859, 45.9048



38.8228, 40.8859, 46.1864

Triad

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



38.5410, 40.8859, 45.9048



39.4392, 40.8859, 44.6269



38.6066, 40.8859, 43.0523

Complementary

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



38.5410, 40.8859, 45.9048



38.8983, 40.5749, 42.8281

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.



38.8989, 40.8859, 42.8899



38.5410, 40.8859, 45.9048



39.3805, 40.8859, 43.7921

Square

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



38.5410, 40.8859, 45.9048



39.3422, 40.8859, 45.4426



39.1824, 40.8859, 43.1590



38.3834, 40.8859, 43.6056

Rectangle

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



38.5410, 40.8859, 45.9048



39.0221, 40.8859, 46.1227



39.1824, 40.8859, 43.1590



38.7000, 40.8859, 42.9505

Sweetspot

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



38.5422, 40.8876, 45.9057



72.0593, 75.9981, 83.5080



38.5314, 41.4961, 43.9600



16.0269, 16.9007, 18.5618



84.5950, 89.0005, 96.9216



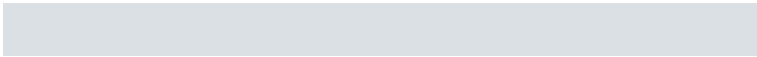
16.2198, 17.0645, 18.5832

Same Dimension

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



38.5422, 40.8876, 45.9057



69.3698, 73.7018, 83.2066



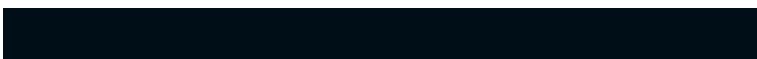
37.9957, 39.7947, 45.7235



8.4883, 9.0310, 10.2485



10.1342, 11.4023, 30.7112



0.3294, 0.4122, 0.8702

Inverse Universe

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



38.9055, 39.9833, 44.6988



70.1458, 71.7771, 80.6273



39.4485, 41.6753, 43.0115



8.5973, 8.7616, 9.8860



14.9789, 7.4541, 12.8003



0.4407, 0.2170, 0.4823

Previews

White Background



This preview shows how the XYZ color 38.5410, 40.8859, 45.9048 looks on a white background.

Color Contrast Check

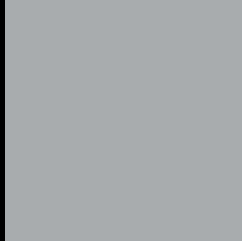
Large Text (above 18pt) WCAG AA × Fail

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 38.5410, 40.8859, 45.9048 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

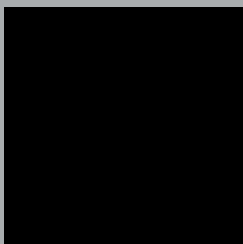
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

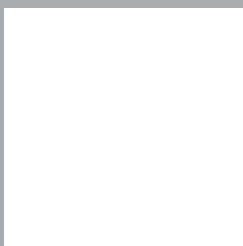
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.5410, 40.8859, 45.9048

Background



This preview shows how black text looks on a background with the XYZ color 38.5410, 40.8859, 45.9048.



This preview shows how white text looks on a background with the XYZ color 38.5410, 40.8859,

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

38.5410, 40.8859, 45.9048

Protanopia

39.3731, 40.7653, 45.3285

Deuteranopia

41.6238, 40.8067, 46.2401



Tritanopia

39.6040, 40.7562, 51.1268

Trichromacy



Original Color

38.5410, 40.8859, 45.9048

Protanomaly

39.1190, 40.9136, 45.3705

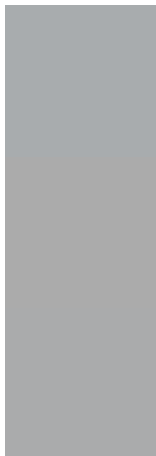
Deuteranomaly

40.3309, 40.6841, 46.2846

Tritanomaly

39.1633, 40.8561, 49.0019

Monochromacy



Original Color

38.5410, 40.8859, 45.9048

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.5869, 40.6504, 44.8423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5410, 40.8859, 45.9048 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(168, 172, 174)` looks like.

```
.text, #text, p{  
    color:rgb(168, 172, 174)  
}
```

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(168, 172, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 172, 174) }
```

Border

The CSS property to change the border of an element to XYZ 38.5410, 40.8859, 45.9048 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(168, 172, 174) }
```


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

```
.border{ border-color:rgb(168, 172, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 172, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 172, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 172, 174);  
box-shadow:4px 4px 4px 4px rgb(168, 172,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5410, 40.8859, 45.9048 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 172, 174) }
```

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

```
.background{ background-color: rgb(168,  
172, 174) }
```

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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