

Converting Colors

XYZ(38.7311, 40.7495, 48.4780)

Have a look what the booklet for
XYZ(38.7311, 40.7495, 48.4780)
contains.

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Color

**XYZ(38.6359, 40.5960,
48.4473)**

Conversions

Conversions Part 1

Format	Color
Hex	A7ABB3
RGB	167, 171, 179
RGB Percent	65%, 67%, 70%
CMY	0.3451, 0.3294, 0.2980
CMYK	0.07, 0.04, 0.00, 0.30
HSL	220°, 7%, 68%
HSV	220°, 7%, 70%
XYZ	38.6359, 40.5960, 48.4473
YIQ	170.7160, -4.9520, 1.6400

Conversions

Conversions Part 2

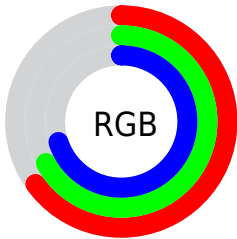
Format	Color
R_{YB}	167, 170, 179
Decimal	10988467
CIE _{Lab}	69.89, 0.16, -4.60
CIE _{LCh}	70, 4.600, 272.016
Yxy	40.5960, 0.3026, 0.3180
Android (android.graphics.Color)	4289178547 (0xFFA7ABB3)
YUV	170.7160, 4.0840, -3.2589
Hunter-Lab	63.7150, -3.2613, -0.4822

Details

The XYZ color **38.6359, 40.5960, 48.4473** is a light color, and the websafe version is hex **999999**. A complement of this color would be **40.8954, 43.0331, 42.7105**, and the grayscale version is **38.5492, 40.5567, 44.1663**.

A 20% lighter version of the original color is **72.3160, 75.9205, 89.4399**, and **17.4330, 18.3448, 22.3608** is the 20% darker color. If you saturate the color by 10%, you get **32.9607, 34.4760, 47.5658**, and if you desaturate by 10%, it is **45.0402, 47.3961, 49.4229**.

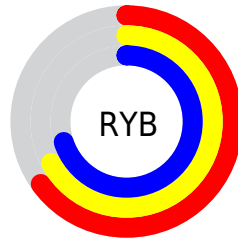
Distribution



Red (65%)

Green (67%)

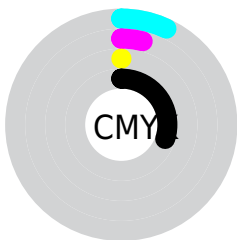
Blue (70%)



Red (65%)

Yellow (67%)

Blue (70%)

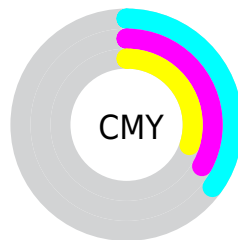


Cyan (7%)

Magenta (4%)

Yellow (0%)

Black (30%)



Cyan (35%)

Magenta (33%)

Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6359, 40.5960, 48.4473 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 38.6359, 40.5960, 48.4473 by changing the saturation by 10% instead.

■ 38.6359, 40.5960,
48.4473

■ 38.6359, 40.5960,
48.4473

331.5739,
348.6293, 397.1221

■ 26.6560, 28.0035,
33.8187

■ 72.3794, 76.0702,
89.2425

■ 17.4503, 18.3283,
22.4782

■ 94.8738, 99.7208,
116.2462

■ 10.6534, 11.1860,
14.0070

121.6037,
127.8262, 148.2120

■ 5.8998, 6.1921,
7.9867

152.9345,
160.7708, 185.5586

■ 2.8243, 2.9622,
3.9988

189.2316,
198.9390, 228.7043

■ 1.0616, 1.1120,
1.6247

230.8602,

■ 0.0000, 0.0000,

242.7152, 278.0678

0.3083

278.1859,
292.4838, 334.0675

■ 0.0000, 0.0000,
0.0000

■ 38.6359, 40.5960,
48.4473

■ 38.6359, 40.5960,
48.4473

■ 32.9607, 34.4760,
47.5658

■ 45.0402, 47.3961,
49.4229

■ 27.9845, 29.0091,
46.7728

■ 52.1955, 54.8917,
50.4926

■ 23.6800, 24.1741,
46.0664

■ 60.1269, 63.1044,
51.6598

■ 20.0167, 19.9468,
45.4436

■ 68.8575, 72.0530,
52.9269

■ 16.9617, 16.3010,
44.9009

■ 77.8544, 81.4700,
54.2704

■ 14.4790, 13.2085,
44.4348

■ 81.3011, 88.3633,
55.4192

■ 12.5284, 10.6386,
44.0416

■ 84.9795, 95.7201,
56.6454

■ 11.0639, 8.5567,
43.7169

■ 85.1368, 96.0347,
56.6978

■ 10.0241, 6.9196,
43.4557

Harmonies

Analogous

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



37.9144, 40.5960, 47.9399



38.6359, 40.5960, 48.4473



39.3527, 40.5960, 47.7871

Triad

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



38.6359, 40.5960, 48.4473



39.8175, 40.5960, 42.0544



37.3292, 40.5960, 42.2976

Complementary

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



38.6359, 40.5960, 48.4473



40.8954, 43.0331, 42.7105

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.



37.8279, 40.5960, 40.8011



38.6359, 40.5960, 48.4473



39.2640, 40.5960, 40.6639

Square

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



38.6359, 40.5960, 48.4473



40.0404, 40.5960, 44.0574



38.5347, 40.5960, 40.2125



37.1658, 40.5960, 44.3472

Rectangle

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



38.6359, 40.5960, 48.4473



39.7299, 40.5960, 46.7857



38.5347, 40.5960, 40.2125



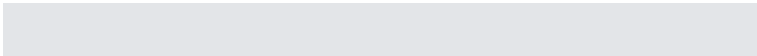
37.4628, 40.5960, 41.7155

Sweetspot

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



38.6371, 40.5977, 48.4482



74.3878, 78.2414, 87.5626



39.7753, 43.5436, 46.7635



16.5078, 17.3633, 19.4036



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.



38.6371, 40.5977, 48.4482



67.6633, 71.0659, 86.5320



38.2753, 39.3056, 48.2179



8.2659, 8.6780, 10.7457



6.9353, 4.6709, 30.6730



0.2732, 0.2570, 0.9834

Inverse Universe

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



39.7607, 40.1621, 44.1866



70.0874, 70.1478, 77.3331



41.2728, 44.4015, 42.9548



8.6094, 8.5505, 9.4416



13.7353, 7.0117, 3.7659



0.4599, 0.2317, 0.2648

Previews

White Background



This preview shows how the XYZ color 38.6359, 40.5960, 48.4473 looks on a white background.

Color Contrast Check

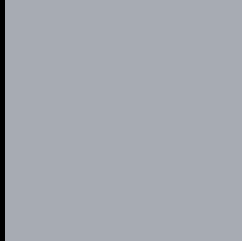
Large Text (above 18pt) WCAG AA × Fail

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 38.6359, 40.5960, 48.4473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

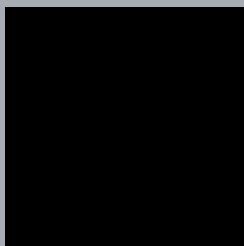
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

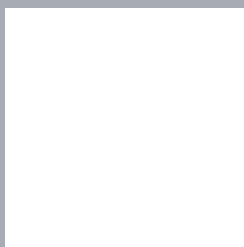
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.6359, 40.5960, 48.4473

Background



This preview shows how black text looks on a background with the XYZ color 38.6359, 40.5960, 48.4473.



This preview shows how white text looks on a background with the XYZ color 38.6359, 40.5960,

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

38.6359, 40.5960, 48.4473

Protanopia

39.2052, 40.6217, 47.8939

Deuteranopia

41.4029, 40.6350, 48.8412



Tritanopia

39.1749, 40.5350, 51.1067

Trichromacy



Original Color

38.6359, 40.5960, 48.4473

Protanomaly

38.9882, 40.5099, 47.8838

Deuteranomaly

40.3723, 40.6477, 48.8980

Tritanomaly

38.9667, 40.4517, 50.0102

Monochromacy



Original Color

38.6359, 40.5960, 48.4473

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.7805, 40.7279, 45.8617

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6359, 40.5960, 48.4473 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(167, 171, 179)` looks like.

```
.text, #text, p{  
    color:rgb(167, 171, 179)  
}
```

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(167, 171, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 171, 179) }
```

Border

The CSS property to change the border of an element to XYZ 38.6359, 40.5960, 48.4473 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(167, 171, 179) }
```


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

```
.border{ border-color:rgb(167, 171, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 171, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 171, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 171, 179);  
box-shadow:4px 4px 4px 4px rgb(167, 171,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6359, 40.5960, 48.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 171, 179) }
```

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

```
.background{ background-color: rgb(167,  
171, 179) }
```

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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