

Converting Colors

XYZ(38.3876, 37.9720, 45.7221)

Have a look what the booklet for
XYZ(38.3876, 37.9720, 45.7221)
contains.

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Color

**XYZ(38.5627, 38.1659,
45.8917)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A2AF
RGB	176, 162, 175
RGB Percent	69%, 64%, 69%
CMY	0.3098, 0.3647, 0.3137
CMYK	0.00, 0.08, 0.01, 0.31
HSL	304°, 8%, 66%
HSV	304°, 8%, 69%
XYZ	38.5627, 38.1659, 45.8917
YIQ	167.6680, 4.1710, 7.0110

Conversions

Conversions Part 2

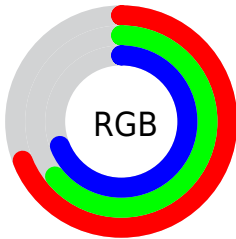
Format	Color
RYB	176, 162, 175
Decimal	11575983
CIELab	68.14, 7.47, -4.88
CIElCh	68, 8.920, 326.840
Yxy	38.1659, 0.3145, 0.3113
Android (android.graphics.Color)	4289766063 (0xFFB0A2AF)
YUV	167.6680, 3.6147, 7.3072
Hunter-Lab	61.7786, 3.3087, -0.7981

Details

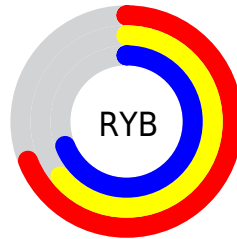
The XYZ color **38.5627, 38.1659, 45.8917** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.0380, 41.3775, 40.6869**, and the grayscale version is **37.0391, 38.9680, 42.4361**.

A 20% lighter version of the original color is **72.5154, 72.5510, 85.7831**, and **17.3195, 16.7929, 21.0674** is the 20% darker color. If you saturate the color by 10%, you get **35.5543, 32.3454, 44.2827**, and if you desaturate by 10%, it is **42.0084, 44.8580, 47.6530**.

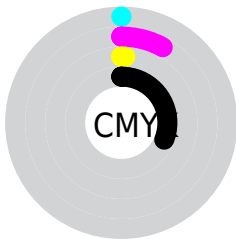
Distribution



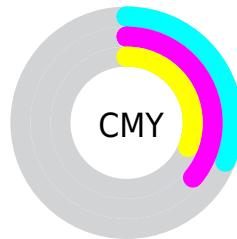
- Red (69%)
- Green (64%)
- Blue (69%)



- Red (69%)
- Yellow (64%)
- Blue (69%)



- Cyan (0%)
- Magenta (8%)
- Yellow (1%)
- Black (31%)





- Cyan (31%)
- Magenta (36%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.5627, 38.1659, 45.8917 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 38.5627, 38.1659, 45.8917 by changing the saturation by 10% instead.


 38.5627, 38.1659,
45.8917


 38.5627, 38.1659,
45.8917


331.2670,
338.3311, 386.6380

 26.5989, 26.1115,
31.8123


 72.2681, 72.3623,
85.3895

 17.4072, 16.9071,
20.9546


 94.7405, 95.2732,
111.6449

 10.6224, 10.1682,
12.8999


121.4464,
122.5716, 142.7962

 5.8789, 5.5107,
7.2297

152.7513,
154.6419, 179.2618

 2.8116, 2.5499,
3.5256

189.0204,
191.8687, 221.4602

 1.0549, 0.9015,
1.3689

230.6191,

 0.0000, 0.0000,

234.6362, 269.8100

0.1172

277.9129,
283.3289, 324.7298

■ 0.0000, 0.0000,
0.0000

■ 38.5627, 38.1659,
45.8917

■ 38.5627, 38.1659,
45.8917

■ 35.5543, 32.3454,
44.2827

■ 42.0084, 44.8580,
47.6530

■ 32.9620, 27.3556,
42.8176

■ 45.9049, 52.4506,
49.5699

■ 30.7676, 23.1600,
41.4908

■ 50.2693, 60.9772,
51.6484

■ 28.9506, 19.7172,
40.2954

■ 55.1169, 70.4681,
53.8937

■ 27.4883, 16.9821,
39.2239

■ 60.4621, 80.9525,
56.3106

■ 26.3558, 14.9047,
38.2679

■ 62.1650, 84.1503,
57.5192

■ 25.5249, 13.4288,
37.4181

■ 62.2961, 84.2028,
58.2096

■ 24.9627, 12.4885,
36.6633

■ 62.4283, 84.2557,
58.9062

■ 24.6160, 11.9773,
35.9860

■ 62.5618, 84.3091,
59.6089

Harmonies

Analogous

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



37.4975, 38.1659, 48.7781



38.5627, 38.1659, 45.8917



39.0142, 38.1659, 41.9802

Triad

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



38.5627, 38.1659, 45.8917



36.4233, 38.1659, 34.3625



33.9393, 38.1659, 45.1142

Complementary

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



38.5627, 38.1659, 45.8917



37.0380, 41.3775, 40.6869

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.



33.6681, 38.1659, 41.1350



38.5627, 38.1659, 45.8917



35.0804, 38.1659, 35.0848

Square

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



38.5627, 38.1659, 45.8917



37.7594, 38.1659, 35.4636



34.0807, 38.1659, 37.5027



34.8311, 38.1659, 48.3094

Rectangle

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



38.5627, 38.1659, 45.8917



38.8981, 38.1659, 39.3748



34.0807, 38.1659, 37.5027



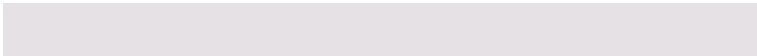
33.7736, 38.1659, 43.8167

Sweetspot

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



38.5638, 38.1675, 45.8925



73.5407, 76.2089, 85.0885



35.8491, 36.7567, 46.2803



15.9526, 16.5452, 18.4478



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.



38.5638, 38.1675, 45.8925



68.6610, 66.7420, 82.5606



37.9002, 37.9021, 42.3980



8.8233, 8.6360, 10.5679



18.0244, 8.7273, 26.3521



0.5749, 0.2777, 0.8700

Inverse Universe

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



38.5638, 38.1675, 45.8925



68.6610, 66.7420, 82.5606



37.6763, 41.6328, 44.0486



8.8233, 8.6360, 10.5679



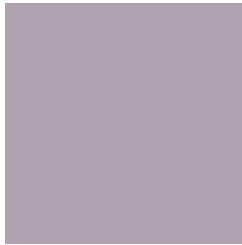
18.0244, 8.7273, 26.3521



0.5749, 0.2777, 0.8700

Previews

White Background



This preview shows how the XYZ color 38.5627, 38.1659, 45.8917 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 38.5627, 38.1659, 45.8917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

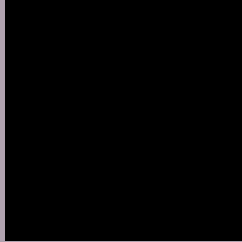
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5627, 38.1659, 45.8917

Background



This preview shows how black text looks on a background with the XYZ color 38.5627, 38.1659, 45.8917.



This preview shows how white text looks on a background with the XYZ color 38.5627, 38.1659,

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

38.5627, 38.1659, 45.8917

Protanopia

37.1168, 38.1916, 47.0104

Deuteranopia

38.8428, 38.0499, 45.8546



Tritanopia

38.5627, 38.1659, 45.8917

Trichromacy



Original Color

38.5627, 38.1659, 45.8917

Protanomaly

37.6895, 38.2316, 46.4673

Deuteranomaly

38.6142, 37.9320, 45.8439

Tritanomaly

38.5627, 38.1659, 45.8917

Monochromacy



Original Color

38.5627, 38.1659, 45.8917

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.7815, 38.8706, 44.0396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5627, 38.1659, 45.8917 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(176, 162, 175)` looks like.

```
.text, #text, p{  
    color:rgb(176, 162, 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(176, 162, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 162, 175) }
```

Border

The CSS property to change the border of an element to XYZ 38.5627, 38.1659, 45.8917 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(176, 162, 175) }
```


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

```
.border{ border-color:rgb(176, 162, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 162, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 162, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 162, 175);  
box-shadow:4px 4px 4px 4px rgb(176, 162,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5627, 38.1659, 45.8917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 162, 175) }
```

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

```
.background{ background-color: rgb(176,  
162, 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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