

Converting Colors

XYZ(38.6324, 37.9652, 47.0494)

Have a look what the booklet for
XYZ(38.6324, 37.9652, 47.0494)
contains.

XYZ(38.5852, 37.8942, 46.8756)	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(38.5852, 37.8942,
46.8756)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A1B1
RGB	176, 161, 177
RGB Percent	69%, 63%, 69%
CMY	0.3098, 0.3686, 0.3059
CMYK	0.01, 0.09, 0.00, 0.31
HSL	296°, 9%, 66%
HSV	296°, 9%, 69%
XYZ	38.5852, 37.8942, 46.8756
YIQ	167.3090, 3.8040, 8.1560

Conversions

Conversions Part 2

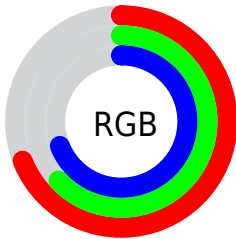
Format	Color
RYB	176, 161, 177
Decimal	11575729
CIELab	67.94, 8.40, -6.29
CIElCh	68, 10.495, 323.188
Yxy	37.8942, 0.3128, 0.3072
Android (android.graphics.Color)	4289765809 (0xFFB0A1B1)
YUV	167.3090, 4.7777, 7.6220
Hunter-Lab	61.5583, 4.1582, -2.0576

Details

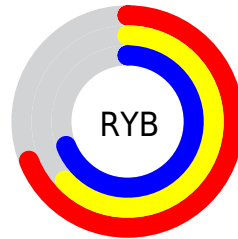
The XYZ color **38.5852, 37.8942, 46.8756** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.0568, 41.6998, 39.8159**, and the grayscale version is **36.8583, 38.7778, 42.2290**.

A 20% lighter version of the original color is **72.5426, 72.1507, 87.1939**, and **17.2751, 16.6035, 21.3631** is the 20% darker color. If you saturate the color by 10%, you get **35.4597, 32.0125, 45.9056**, and if you desaturate by 10%, it is **42.1528, 44.6559, 47.9933**.

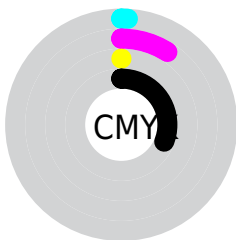
Distribution



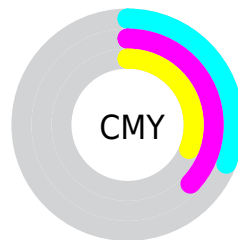
- Red (69%)
- Green (63%)
- Blue (69%)



- Red (69%)
- Yellow (63%)
- Blue (69%)



- Cyan (1%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)



- Cyan (31%)
- Magenta (37%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5852, 37.8942, 46.8756 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 38.5852, 37.8942, 46.8756 by changing the saturation by 10% instead.

■ 38.5852, 37.8942,
46.8756

■ 38.5852, 37.8942,
46.8756

331.3613,
337.1659, 390.6971

■ 26.6165, 25.9006,
32.5837

■ 72.3023, 71.9459,
86.8759

■ 17.4205, 16.7493,
21.5392

■ 94.7815, 94.7729,
113.4214

■ 10.6319, 10.0559,
13.3236

121.4948,
121.9797, 144.8886

■ 5.8853, 5.4360,
7.5184

152.8076,
153.9508, 181.6958

■ 2.8155, 2.5053,
3.7051

189.0853,
191.0705, 224.2618

■ 1.0570, 0.8793,
1.4650

230.6933,

■ 0.0000, 0.0000,

233.7234, 273.0049

0.1916

277.9968,
282.2937, 328.3439

■ 0.0000, 0.0000,
0.0000

■ 38.5852, 37.8942,
46.8756

■ 38.5852, 37.8942,
46.8756

■ 35.4597, 32.0125,
45.9056

■ 42.1528, 44.6559,
47.9933

■ 32.7548, 26.9694,
45.0748

■ 46.1764, 52.3272,
49.2619

■ 30.4518, 22.7273,
44.3773

■ 50.6734, 60.9423,
50.6878

■ 28.5297, 19.2439,
43.8063

■ 55.6593, 70.5322,
52.2760

■ 26.9654, 16.4730,
43.3539

■ 61.1490, 81.1264,
54.0316

■ 25.7332, 14.3635,
43.0116

■ 63.1385, 84.7174,
54.6199

■ 24.8041, 12.8571,
42.7699

■ 63.4020, 84.8532,
54.6322

■ 24.1441, 11.8859,
42.6172

■ 63.6676, 84.9901,
54.6446

■ 23.6898, 11.3232,
42.5325

■ 63.9352, 85.1281,
54.6571

Harmonies

Analogous

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



37.2655, 37.8942, 50.0732



38.5852, 37.8942, 46.8756



39.2198, 37.8942, 42.3341

Triad

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



38.5852, 37.8942, 46.8756



36.3903, 37.8942, 32.9742



33.2125, 37.8942, 44.8965

Complementary

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



38.5852, 37.8942, 46.8756



37.0568, 41.6998, 39.8159

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.



32.9941, 37.8942, 40.2049



38.5852, 37.8942, 46.8756



34.7973, 37.8942, 33.5474

Square

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



38.5852, 37.8942, 46.8756



37.9280, 37.8942, 34.4834



33.5659, 37.8942, 36.1124



34.1718, 37.8942, 48.8717

Rectangle

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



38.5852, 37.8942, 46.8756



39.1557, 37.8942, 39.2462



33.5659, 37.8942, 36.1124



33.0512, 37.8942, 43.3422

Sweetspot

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



38.5863, 37.8958, 46.8764



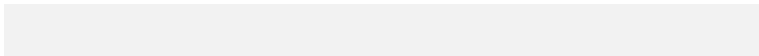
72.8331, 74.9245, 85.1184



35.5675, 36.6174, 46.7888



15.6732, 16.0270, 18.4118



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.



38.5863, 37.8958, 46.8764



67.8366, 65.4734, 83.5576



38.1395, 37.7433, 43.3395



8.7966, 8.6192, 10.7064



17.1534, 8.1787, 30.8116



0.5554, 0.2654, 0.9702

Inverse Universe

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



37.3992, 37.4472, 39.4412



65.2467, 64.4955, 67.2961



37.4831, 41.8470, 43.1163



8.5172, 8.5136, 8.9559



13.1893, 6.7933, 0.8907



0.4221, 0.2166, 0.0653

Previews

White Background



This preview shows how the XYZ color 38.5852, 37.8942, 46.8756 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 38.5852, 37.8942, 46.8756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

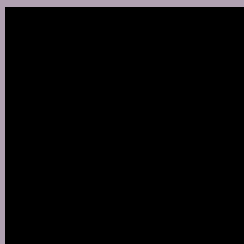
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.5852, 37.8942, 46.8756

Background



This preview shows how black text looks on a background with the XYZ color 38.5852, 37.8942, 46.8756.



This preview shows how white text looks on a background with the XYZ color 38.5852, 37.8942,

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

38.5852, 37.8942, 46.8756

Protanopia

37.1089, 38.1643, 48.0584

Deuteranopia

38.5852, 37.8942, 46.8756



Tritanopia

38.2893, 37.7758, 45.3178

Trichromacy



Original Color

38.5852, 37.8942, 46.8756

Protanomaly

37.6735, 38.2003, 47.5073

Deuteranomaly

38.5852, 37.8942, 46.8756

Tritanomaly

38.3872, 37.8150, 45.8332

Monochromacy



Original Color

38.5852, 37.8942, 46.8756

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.3834, 38.3966, 43.9690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.5852, 37.8942, 46.8756 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, 161, 177)` looks like.

```
.text, #text, p{  
    color:rgb(176, 161, 177)  
}
```

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, 161, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 161, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.5852, 37.8942, 46.8756 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, 161, 177) }
```


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

```
.border{ border-color:rgb(176, 161, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 161, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 161, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 161, 177);  
box-shadow:4px 4px 4px 4px rgb(176, 161,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.5852, 37.8942, 46.8756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 161, 177) }
```

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

```
.background{ background-color: rgb(176,  
161, 177) }
```

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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