

Converting Colors

XYZ(38.9851, 37.3313, 46.7459)

Have a look what the booklet for
XYZ(38.9851, 37.3313, 46.7459)
contains.

XYZ(38.9851, 37.3313, 46.7459)	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(38.9851, 37.3313,
46.7459)**

Conversions

Conversions Part 1

Format	Color
Hex	B49EB1
RGB	180, 158, 177
RGB Percent	71%, 62%, 69%
CMY	0.2941, 0.3804, 0.3059
CMYK	0.00, 0.12, 0.02, 0.29
HSL	308°, 13%, 66%
HSV	308°, 12%, 71%
XYZ	38.9851, 37.3313, 46.7459
YIQ	166.7440, 7.0130, 10.5730

Conversions

Conversions Part 2

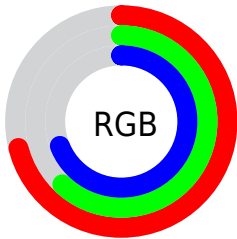
Format	Color
R_{YB}	180, 158, 177
Decimal	11837105
CIE _{Lab}	67.52, 11.48, -6.87
CIE _{LCh}	68, 13.376, 329.100
Yxy	37.3313, 0.3168, 0.3034
Android (android.graphics.Color)	4290027185 (0xFFB49EB1)
YUV	166.7440, 5.0562, 11.6255
Hunter-Lab	61.0993, 6.9700, -2.5921

Details

The XYZ color **38.9851, 37.3313, 46.7459** is a light color, and the websafe version is hex **999999**. A complement of this color would be **36.8563, 42.4860, 39.9783**, and the grayscale version is **36.5808, 38.4858, 41.9110**.

A 20% lighter version of the original color is **73.0943, 71.3046, 87.0015**, and **17.6482, 16.4827, 21.3201** is the 20% darker color. If you saturate the color by 10%, you get **35.8947, 31.5381, 44.5196**, and if you desaturate by 10%, it is **42.5318, 44.0289, 49.1469**.

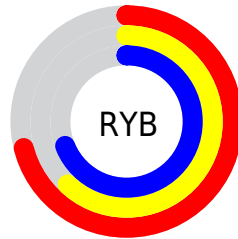
Distribution



Red (71%)

Green (62%)

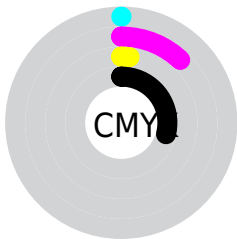
Blue (69%)



Red (71%)

Yellow (62%)

Blue (69%)

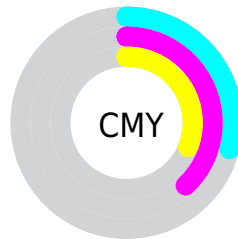


Cyan (0%)

Magenta (12%)

Yellow (2%)

Black (29%)



Cyan (29%)

Magenta (38%)

Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9851, 37.3313, 46.7459 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 38.9851, 37.3313, 46.7459 by changing the saturation by 10% instead.

■ 38.9851, 37.3313,
46.7459

■ 38.9851, 37.3313,
46.7459

333.0354,
334.7427, 390.1637

■ 26.9288, 25.4641,
32.4819

■ 72.9098, 71.0820,
86.6802

■ 17.6561, 16.4232,
21.4620

■ 95.5089, 93.7344,
113.1876

■ 10.8015, 9.8241,
13.2676

122.3529,
120.7505, 144.6133

■ 5.9998, 5.2825,
7.4802

153.8073,
152.5149, 181.3757

■ 2.8856, 2.4139,
3.6812

190.2374,
189.4119, 223.8934

■ 1.0936, 0.8330,
1.4521

232.0086,

■ 0.0197, 0.0000,

231.8260, 272.5849

0.1819

279.4861,
280.1414, 327.8689

■ 0.0000, 0.0000,
0.0000

■ 38.9851, 37.3313,
46.7459

■ 38.9851, 37.3313,
46.7459

■ 35.8947, 31.5381,
44.5196

■ 42.5318, 44.0289,
49.1469

■ 33.2378, 26.6055,
42.4590

■ 46.5498, 51.6627,
51.7265

■ 30.9947, 22.4933,
40.5577

■ 51.0575, 60.2687,
54.4912

■ 29.1425, 19.1563,
38.8082

■ 56.0714, 69.8799,
57.4466

■ 27.6566, 16.5447,
37.2021

■ 61.6070, 80.5273,
60.5982

■ 26.5091, 14.6032,
35.7299

■ 64.0675, 85.0174,
62.7470

■ 25.6683, 13.2682,
34.3810

■ 64.3414, 85.1269,
64.1893

■ 25.0964, 12.4642,
33.1426

■ 64.6199, 85.2383,
65.6557

■ 24.7770, 12.0852,
32.2355

■ 64.9029, 85.3515,
67.1461

Harmonies

Analogous

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



37.4406, 37.3313, 51.3690



38.9851, 37.3313, 46.7459



39.5853, 37.3313, 40.8257

Triad

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



38.9851, 37.3313, 46.7459



35.5445, 37.3313, 30.3417



32.1376, 37.3313, 46.4083

Complementary

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



38.9851, 37.3313, 46.7459



36.8563, 42.4860, 39.9783

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.



31.6730, 37.3313, 40.4697



38.9851, 37.3313, 46.7459



33.5935, 37.3313, 31.5322

Square

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



38.9851, 37.3313, 46.7459



37.5523, 37.3313, 31.6827



32.1958, 37.3313, 35.1039



33.4898, 37.3313, 51.1613

Rectangle

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



38.9851, 37.3313, 46.7459



39.3521, 37.3313, 37.0528



32.1958, 37.3313, 35.1039



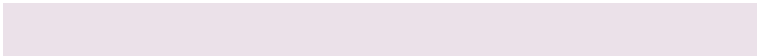
31.8748, 37.3313, 44.4673

Sweetspot

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



38.9862, 37.3329, 46.7467



75.8664, 77.4630, 88.2840



35.1512, 35.3209, 48.1458



16.2901, 16.5394, 19.0097



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.



38.9862, 37.3329, 46.7467



68.9018, 64.3319, 83.5016



37.9396, 36.9143, 41.2355



8.7992, 8.6264, 10.4409



17.3107, 8.4418, 22.5939



0.5584, 0.2711, 0.7831

Inverse Universe

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



38.9862, 37.3329, 46.7467



68.9018, 64.3319, 83.5016



37.8631, 42.8887, 45.2801



8.7992, 8.6264, 10.4409



17.3107, 8.4418, 22.5939



0.5584, 0.2711, 0.7831

Previews

White Background



This preview shows how the XYZ color 38.9851, 37.3313, 46.7459 looks on a white background.

Color Contrast Check

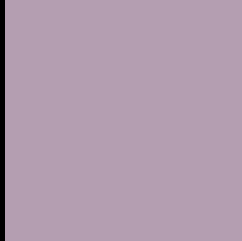
Large Text (above 18pt) WCAG AA × Fail

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 38.9851, 37.3313, 46.7459 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 38.9851, 37.3313, 46.7459

Background



This preview shows how black text looks on a background with the XYZ color 38.9851, 37.3313, 46.7459.



This preview shows how white text looks on a background with the XYZ color 38.9851, 37.3313,

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

38.9851, 37.3313, 46.7459

Protanopia

36.4397, 37.2762, 48.4545

Deuteranopia

38.1858, 37.4299, 46.8071



Tritanopia

38.3392, 37.3203, 43.7109

Trichromacy



Original Color

38.9851, 37.3313, 46.7459

Protanomaly

37.2437, 37.1794, 47.8612

Deuteranomaly

38.4654, 37.3177, 46.7707

Tritanomaly

38.5314, 37.3971, 44.7227

Monochromacy



Original Color

38.9851, 37.3313, 46.7459

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.6394, 38.2618, 43.9295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9851, 37.3313, 46.7459 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(180, 158, 177)` looks like.

```
.text, #text, p{  
    color:rgb(180, 158, 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(180, 158, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 158, 177) }
```

Border

The CSS property to change the border of an element to XYZ 38.9851, 37.3313, 46.7459 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(180, 158, 177) }
```


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

```
.border{ border-color:rgb(180, 158, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 158, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 158, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 158, 177);  
box-shadow:4px 4px 4px 4px rgb(180, 158,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9851, 37.3313, 46.7459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 158, 177) }
```

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

```
.background{ background-color: rgb(180,  
158, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor