

Converting Colors

XYZ(37.8111, 38.1399, 41.5213)

Have a look what the booklet for
XYZ(37.8111, 38.1399, 41.5213)
contains.

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Color

**XYZ(37.8846, 38.1777,
41.4487)**

Conversions

Conversions Part 1

Format	Color
Hex	B0A3A6
RGB	176, 163, 166
RGB Percent	69%, 64%, 65%
CMY	0.3098, 0.3608, 0.3490
CMYK	0.00, 0.07, 0.06, 0.31
HSL	346°, 8%, 66%
HSV	346°, 7%, 69%
XYZ	37.8846, 38.1777, 41.4487
YIQ	167.2290, 6.7850, 3.6890

Conversions

Conversions Part 2

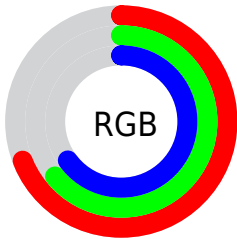
Format	Color
RYB	176, 163, 166
Decimal	11576230
CIELab	68.15, 5.25, 0.14
CIELCh	68, 5.250, 1.530
Yxy	38.1777, 0.3224, 0.3249
Android (android.graphics.Color)	4289766310 (0xFFB0A3A6)
YUV	167.2290, -0.6059, 7.6922
Hunter-Lab	61.7881, 1.3158, 3.4788

Details

The XYZ color **37.8846, 38.1777, 41.4487** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1738, 41.8552, 45.6041**, and the grayscale version is **36.8437, 38.7624, 42.2123**.

A 20% lighter version of the original color is **71.4013, 72.5191, 78.6409**, and **16.8901, 16.7947, 18.2711** is the 20% darker color. If you saturate the color by 10%, you get **33.7972, 31.8869, 34.2769**, and if you desaturate by 10%, it is **42.5399, 45.3940, 49.4561**.

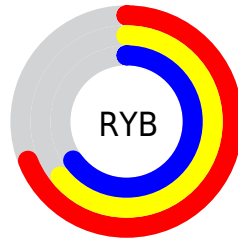
Distribution



Red (69%)

Green (64%)

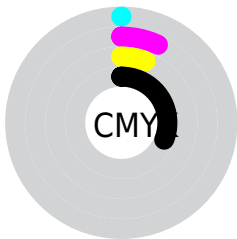
Blue (65%)



Red (69%)

Yellow (64%)

Blue (65%)

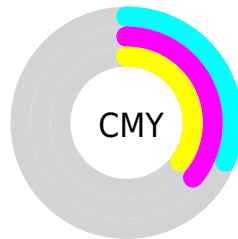


Cyan (0%)

Magenta (7%)

Yellow (6%)

Black (31%)



Cyan (31%)

Magenta (36%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8846, 38.1777, 41.4487 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 37.8846, 38.1777, 41.4487 by changing the saturation by 10% instead.

■ 37.8846, 38.1777,
41.4487

■ 37.8846, 38.1777,
41.4487

328.4141,
338.3816, 367.9245

■ 26.0699, 26.1206,
28.3475

■ 71.2363, 72.3804,
78.6256

■ 17.0089, 16.9139,
18.3465

■ 93.5040, 95.2949,
103.5385

■ 10.3362, 10.1731,
11.0270

119.9868,
122.5972, 133.2256

■ 5.6864, 5.5139,
5.9706

151.0500,
154.6719, 168.1055

■ 2.6942, 2.5518,
2.7587

187.0589,
191.9033, 208.5969

■ 0.9942, 0.9025,
0.9728

228.3791,

■ 0.0000, 0.0000,

234.6758, 255.1181

0.0000

275.3757,
283.3738, 308.0878

■ 37.8846, 38.1777,
41.4487

■ 37.8846, 38.1777,
41.4487

■ 33.7972, 31.8869,
34.2769

■ 42.5399, 45.3940,
49.4561

■ 30.2525, 26.4792,
27.9111

■ 47.7806, 53.5660,
58.3226

■ 27.2284, 21.9165,
22.3234

■ 53.6274, 62.7286,
68.0737

■ 24.6997, 18.1557,
17.4834

■ 60.0988, 72.9137,
78.7332

■ 22.6394, 15.1503,
13.3588

■ 67.2130, 84.1514,
90.3240

■ 21.0176, 12.8485,
9.9147

■ 70.4921, 87.4811,
101.3698

■ 19.8009, 11.1922,
7.1131

■ 71.7147, 87.9702,
107.8079

■ 18.9508, 10.1139,
4.9121

■ 18.4116, 9.5129,
3.2610

Harmonies

Analogous

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



37.6894, 38.1777, 43.7573



37.8846, 38.1777, 41.4487



37.6463, 38.1777, 39.2538

Triad

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



37.8846, 38.1777, 41.4487



35.4691, 38.1777, 37.8404



35.5409, 38.1777, 45.6630

Complementary

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



37.8846, 38.1777, 41.4487



38.1738, 41.8552, 45.6041

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.



34.9603, 38.1777, 43.9735



37.8846, 38.1777, 41.4487



34.9193, 38.1777, 39.4550

Square

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



37.8846, 38.1777, 41.4487



36.2447, 38.1777, 37.2197



34.7345, 38.1777, 41.6896



36.3288, 38.1777, 46.2447

Rectangle

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



37.8846, 38.1777, 41.4487



37.2757, 38.1777, 38.1355



34.7345, 38.1777, 41.6896



35.3154, 38.1777, 45.2027

Sweetspot

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



37.8857, 38.1794, 41.4495



73.0969, 76.0314, 82.7517



38.1611, 38.2112, 46.4389



15.8616, 16.5088, 17.9686



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.



37.8857, 38.1794, 41.4495



67.3229, 67.1003, 72.7593



38.2377, 39.3184, 40.2263



8.5740, 8.5363, 9.2550



13.4444, 6.8953, 2.2343



0.4456, 0.2260, 0.1890

Inverse Universe

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



37.8857, 38.1794, 41.4495



67.3229, 67.1003, 72.7593



37.7963, 40.6307, 46.9251



8.5740, 8.5363, 9.2550



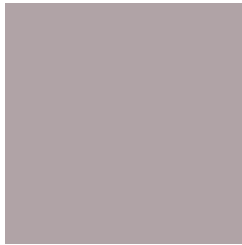
13.4444, 6.8953, 2.2343



0.4456, 0.2260, 0.1890

Previews

White Background



This preview shows how the XYZ color 37.8846, 38.1777, 41.4487 looks on a white background.

Color Contrast Check

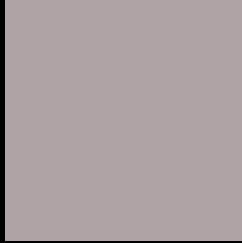
Large Text (above 18pt) WCAG AA × Fail

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 37.8846, 38.1777, 41.4487 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 37.8846, 38.1777, 41.4487

Background



This preview shows how black text looks on a background with the XYZ color 37.8846, 38.1777, 41.4487.



This preview shows how white text looks on a background with the XYZ color 37.8846, 38.1777,

41.4487.

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

37.8846, 38.1777, 41.4487

Protanopia

36.7924, 38.1353, 41.9809

Deuteranopia

38.9192, 38.1880, 41.3961



Tritanopia

38.6918, 38.2438, 45.3869

Trichromacy



Original Color

37.8846, 38.1777, 41.4487

Protanomaly

37.2638, 38.1116, 41.9515

Deuteranomaly

38.6257, 38.2971, 41.4327

Tritanomaly

38.4025, 38.1280, 43.8635

Monochromacy



Original Color

37.8846, 38.1777, 41.4487

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.1888, 38.6085, 42.0513

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8846, 38.1777, 41.4487 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, 163, 166)` looks like.

```
.text, #text, p{  
    color:rgb(176, 163, 166)  
}
```

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, 163, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 163, 166) }
```

Border

The CSS property to change the border of an element to XYZ 37.8846, 38.1777, 41.4487 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, 163, 166) }
```


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

```
.border{ border-color:rgb(176, 163, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 163, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 163, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 163, 166);  
box-shadow:4px 4px 4px 4px rgb(176, 163,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8846, 38.1777, 41.4487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 163, 166) }
```

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

```
.background{ background-color: rgb(176,  
163, 166) }
```

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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