

Converting Colors

XYZ(37.5136, 38.6447, 46.3445)

Have a look what the booklet for
XYZ(37.5136, 38.6447, 46.3445)
contains.

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Color

**XYZ(37.6211, 38.7319,
46.5674)**

Conversions

Conversions Part 1

Format	Color
Hex	A8A6B0
RGB	168, 166, 176
RGB Percent	66%, 65%, 69%
CMY	0.3412, 0.3490, 0.3098
CMYK	0.05, 0.06, 0.00, 0.31
HSL	252°, 6%, 67%
HSV	252°, 6%, 69%
XYZ	37.6211, 38.7319, 46.5674
YIQ	167.7380, -2.0180, 3.5340

Conversions

Conversions Part 2

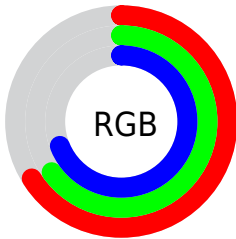
Format	Color
RYB	168, 166, 176
Decimal	11052720
CIELab	68.56, 2.65, -4.90
CIELCh	69, 5.567, 298.378
Yxy	38.7319, 0.3061, 0.3151
Android (android.graphics.Color)	4289242800 (0xFFA8A6B0)
YUV	167.7380, 4.0732, 0.2298
Hunter-Lab	62.2350, -1.0077, -0.7994

Details

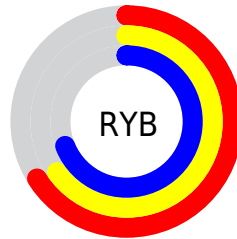
The XYZ color **37.6211, 38.7319, 46.5674** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.8654, 42.8036, 42.2392**, and the grayscale version is **37.0733, 39.0040, 42.4754**.

A 20% lighter version of the original color is **70.8534, 73.2271, 86.7438**, and **16.8579, 17.2029, 21.5008** is the 20% darker color. If you saturate the color by 10%, you get **31.8005, 31.3033, 45.4409**, and if you desaturate by 10%, it is **44.2066, 47.2070, 47.8567**.

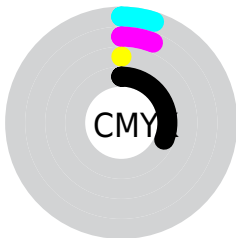
Distribution



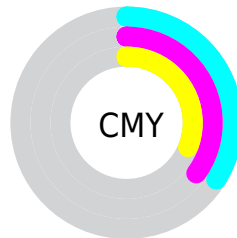
- Red (66%)
- Green (65%)
- Blue (69%)



- Red (66%)
- Yellow (65%)
- Blue (69%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)



- Cyan (34%)
- Magenta (35%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6211, 38.7319, 46.5674 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 37.6211, 38.7319, 46.5674 by changing the saturation by 10% instead.

■ 37.6211, 38.7319,
46.5674

■ 37.6211, 38.7319,
46.5674

327.3008,
340.7493, 389.4288

■ 25.8646, 26.5512,
32.3419

■ 70.8347, 73.2286,
86.4107

■ 16.8545, 17.2365,
21.3558

■ 93.0225, 96.3134,
112.8657

■ 10.2255, 10.4032,
13.1906

119.4181,
123.8016, 144.2341

■ 5.6121, 5.6671,
7.4276

150.3868,
156.0778, 180.9347

■ 2.6491, 2.6437,
3.6485

186.2942,
193.5263, 223.3859

■ 0.9710, 0.9487,
1.4345

227.5054,

■ 0.0000, 0.0000,

236.5314, 272.0063

0.1684

274.3858,
285.4776, 327.2144

■ 0.0000, 0.0000,
0.0000

■ 37.6211, 38.7319,
46.5674

■ 37.6211, 38.7319,
46.5674

■ 31.8005, 31.3033,
45.4409

■ 44.2066, 47.2070,
47.8567

■ 26.7134, 24.8755,
44.4683

■ 51.5802, 56.7619,
49.3124

■ 22.3314, 19.4068,
43.6437

■ 59.7682, 67.4349,
50.9409

■ 18.6226, 14.8509,
42.9598

■ 68.7946, 79.2605,
52.7478

■ 15.5528, 11.1572,
42.4087

■ 78.6825, 92.2720,
54.7381

■ 13.0846, 8.2703,
41.9815

■ 83.9261, 95.4453,
55.0742

■ 11.1766, 6.1283,
41.6686

■ 84.8366, 95.9146,
55.1168

■ 9.7819, 4.6600,
41.4587

■ 8.8431, 3.7760,
41.3376

Harmonies

Analogous

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



36.7658, 38.7319, 47.1883



37.6211, 38.7319, 46.5674



38.2687, 38.7319, 44.7565

Triad

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



37.6211, 38.7319, 46.5674



37.7051, 38.7319, 38.1910



35.1529, 38.7319, 42.0359

Complementary

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



37.6211, 38.7319, 46.5674



39.8654, 42.8036, 42.2392

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.



35.3957, 38.7319, 39.6898



37.6211, 38.7319, 46.5674



36.8613, 38.7319, 37.5253

Square

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



37.6211, 38.7319, 46.5674



38.3177, 38.7319, 39.9177



36.0176, 38.7319, 38.0631



35.3492, 38.7319, 44.5106

Rectangle

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



37.6211, 38.7319, 46.5674



38.4906, 38.7319, 43.1532



36.0176, 38.7319, 38.0631



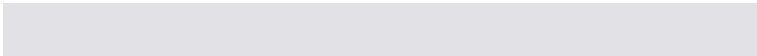
35.1858, 38.7319, 41.2067

Sweetspot

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



37.6222, 38.7335, 46.5682



72.4234, 75.6277, 85.2758



38.7319, 41.5793, 47.0590



15.7236, 16.4260, 18.4862



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.



37.6222, 38.7335, 46.5682



66.6261, 68.1899, 84.1457



38.6708, 39.2741, 46.6173



8.4541, 8.6401, 10.7285



6.3017, 2.5844, 30.3037



0.2447, 0.1052, 0.9557

Inverse Universe

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



39.1821, 39.5604, 45.6174



70.1442, 70.0550, 81.9862



38.8075, 42.2582, 42.1897



8.9236, 8.8891, 10.4398



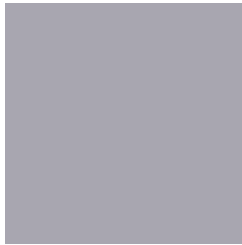
16.6771, 8.1884, 19.2572



0.5433, 0.2651, 0.7035

Previews

White Background



This preview shows how the XYZ color 37.6211, 38.7319, 46.5674 looks on a white background.

Color Contrast Check

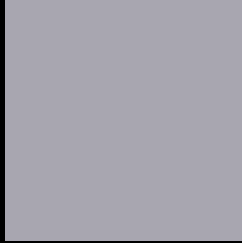
Large Text (above 18pt) WCAG AA × Fail

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 37.6211, 38.7319, 46.5674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

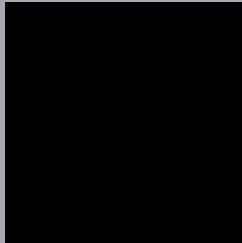
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6211, 38.7319, 46.5674

Background



This preview shows how black text looks on a background with the XYZ color 37.6211, 38.7319, 46.5674.



This preview shows how white text looks on a background with the XYZ color 37.6211, 38.7319,

46.5674.

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

37.6211, 38.7319, 46.5674

Protanopia

37.6211, 38.7319, 46.5674

Deuteranopia

39.4465, 38.5987, 46.9662



Tritanopia

37.9214, 38.8519, 48.1483

Trichromacy



Original Color

37.6211, 38.7319, 46.5674

Protanomaly

37.6211, 38.7319, 46.5674

Deuteranomaly

38.7122, 38.4827, 46.9825

Tritanomaly

37.8205, 38.8116, 47.6175

Monochromacy



Original Color

37.6211, 38.7319, 46.5674

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.3179, 38.9025, 44.0702

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6211, 38.7319, 46.5674 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(168, 166, 176)` looks like.

```
.text, #text, p{  
    color:rgb(168, 166, 176)  
}
```

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(168, 166, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 166, 176) }
```

Border

The CSS property to change the border of an element to XYZ 37.6211, 38.7319, 46.5674 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(168, 166, 176) }
```


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

```
.border{ border-color:rgb(168, 166, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 166, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 166, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 166, 176);  
box-shadow:4px 4px 4px 4px rgb(168, 166,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6211, 38.7319, 46.5674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 166, 176) }
```

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

```
.background{ background-color: rgb(168,  
166, 176) }
```

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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