

Converting Colors

XYZ(37.0063, 38.4104, 44.2942)

Have a look what the booklet for
XYZ(37.0063, 38.4104, 44.2942)
contains.

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Color

**XYZ(37.0190, 38.4665,
44.5034)**

Conversions

Conversions Part 1

Format	Color
Hex	A7A6AC
RGB	167, 166, 172
RGB Percent	65%, 65%, 67%
CMY	0.3451, 0.3490, 0.3255
CMYK	0.03, 0.03, 0.00, 0.33
HSL	250°, 3%, 66%
HSV	250°, 3%, 67%
XYZ	37.0190, 38.4665, 44.5034
YIQ	166.9830, -1.3300, 2.0780

Conversions

Conversions Part 2

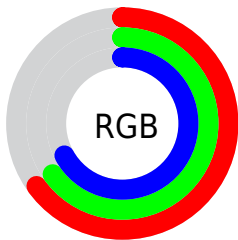
Format	Color
RYB	167, 166, 172
Decimal	10987180
CIELab	68.36, 1.51, -2.97
CIELCh	68, 3.334, 296.956
Yxy	38.4665, 0.3085, 0.3206
Android (android.graphics.Color)	4289177260 (0xFFA7A6AC)
YUV	166.9830, 2.4734, 0.0149
Hunter-Lab	62.0214, -1.9952, 0.8714

Details

The XYZ color **37.0190, 38.4665, 44.5034** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.4315, 40.9172, 41.9506**, and the grayscale version is **36.7121, 38.6240, 42.0615**.

A 20% lighter version of the original color is **69.8458, 72.7885, 83.0414**, and **16.4777, 17.0355, 20.1890** is the 20% darker color. If you saturate the color by 10%, you get **31.2361, 31.1509, 43.3967**, and if you desaturate by 10%, it is **43.5582, 46.7949, 45.7669**.

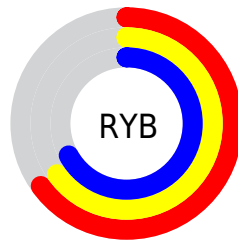
Distribution



Red (65%)

Green (65%)

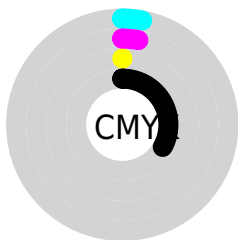
Blue (67%)



Red (65%)

Yellow (65%)

Blue (67%)

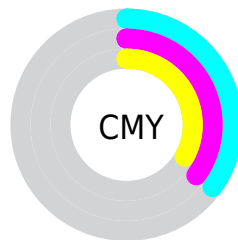


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (33%)



Cyan (35%)

Magenta (35%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.0190, 38.4665, 44.5034 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 37.0190, 38.4665, 44.5034 by changing the saturation by 10% instead.

■ 37.0190, 38.4665,
44.5034

■ 37.0190, 38.4665,
44.5034

324.7469,
339.6169, 380.8599

■ 25.3959, 26.3450,
30.7264

■ 69.9156, 72.8226,
83.2852

■ 16.5026, 17.0819,
20.1339

■ 91.9200, 95.8259,
109.1271

■ 9.9736, 10.2929,
12.3073

118.1154,
123.2253, 139.8277

■ 5.4436, 5.5936,
6.8283

148.8673,
155.4052, 175.8055

■ 2.5472, 2.5996,
3.2781

184.5410,
192.7499, 217.4791

■ 0.9191, 0.9264,
1.2383

225.5020,

■ 0.0000, 0.0000,

235.6438, 265.2670

0.0104

272.1155,
284.4713, 319.5877

0.0000, 0.0000,
0.0000

37.0190, 38.4665,
44.5034

37.0190, 38.4665,
44.5034

31.2361, 31.1509,
43.3967

43.5582, 46.7949,
45.7669

26.1788, 24.8047,
42.4383

50.8764, 56.1676,
47.1903

21.8192, 19.3883,
41.6226

58.9995, 66.6210,
48.7799

18.1262, 14.8578,
40.9428

67.9509, 78.1882,
50.5407

15.0664, 11.1656,
40.3914

77.7534, 90.9007,
52.4779

■ 12.6034, 8.2596,
39.9603

■ 83.7285, 95.3885,
53.0292

■ 10.6972, 6.0818,
39.6404

■ 84.4465, 95.7586,
53.0628

■ 9.3023, 4.5660,
39.4214

■ 8.3659, 3.6337,
39.2908

Harmonies

Analogous

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



36.5079, 38.4665, 44.8258



37.0190, 38.4665, 44.5034



37.4107, 38.4665, 43.4736

Triad

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



37.0190, 38.4665, 44.5034



37.1123, 38.4665, 39.5154



35.5662, 38.4665, 41.7307

Complementary

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



37.0190, 38.4665, 44.5034



38.4315, 40.9172, 41.9506

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.



35.7248, 38.4665, 40.3326



37.0190, 38.4665, 44.5034



36.6147, 38.4665, 39.0729

Square

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



37.0190, 38.4665, 44.5034



37.4650, 38.4665, 40.5915



36.1073, 38.4665, 39.3685



35.6722, 38.4665, 43.2026

Rectangle

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



37.0190, 38.4665, 44.5034



37.5497, 38.4665, 42.5369



36.1073, 38.4665, 39.3685



35.5903, 38.4665, 41.2368

Sweetspot

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



37.0201, 38.4681, 44.5042



69.9582, 73.3423, 81.2751



37.7553, 40.2502, 44.8095



15.2176, 15.9569, 17.6656



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37.0201, 38.4681, 44.5042



66.5080, 68.9596, 80.6110



37.6399, 38.7876, 44.5332



8.3278, 8.6159, 10.1768



5.9428, 2.4235, 29.1991



0.2019, 0.0863, 0.8140

Inverse Universe

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



38.0015, 38.9851, 44.0519



68.5799, 70.0511, 79.6531



37.8064, 40.5950, 41.9213



8.6263, 8.7732, 10.0384



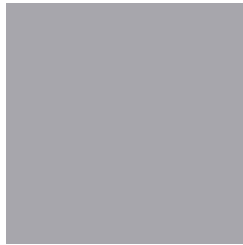
16.3897, 8.0184, 20.2296



0.4709, 0.2290, 0.6415

Previews

White Background



This preview shows how the XYZ color 37.0190, 38.4665, 44.5034 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 37.0190, 38.4665, 44.5034 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 37.0190, 38.4665, 44.5034

Background



This preview shows how black text looks on a background with the XYZ color 37.0190, 38.4665, 44.5034.

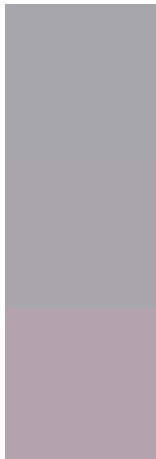


This preview shows how white text looks on a background with the XYZ color 37.0190, 38.4665,

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

37.0190, 38.4665, 44.5034

Protanopia

37.2311, 38.5758, 44.5133

Deuteranopia

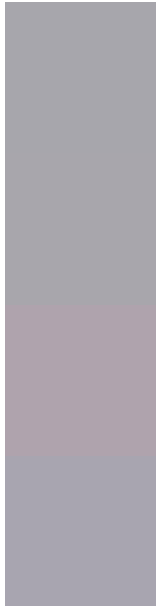
39.2855, 38.5611, 44.9076



Tritanopia

37.6395, 38.4495, 47.5572

Trichromacy



Original Color

37.0190, 38.4665, 44.5034

Protanomaly

37.2311, 38.5758, 44.5133

Deuteranomaly

38.3192, 38.3255, 44.9131

Tritanomaly

37.4401, 38.3697, 46.5071

Monochromacy



Original Color

37.0190, 38.4665, 44.5034

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.9165, 38.7175, 43.0636

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0190, 38.4665, 44.5034 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(167, 166, 172)` looks like.

```
.text, #text, p{  
    color:rgb(167, 166, 172)  
}
```

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(167, 166, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 166, 172) }
```

Border

The CSS property to change the border of an element to XYZ 37.0190, 38.4665, 44.5034 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(167, 166, 172) }
```


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

```
.border{ border-color:rgb(167, 166, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 166, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 166, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 166, 172);  
box-shadow:4px 4px 4px 4px rgb(167, 166,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0190, 38.4665, 44.5034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 166, 172) }
```

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

```
.background{ background-color: rgb(167,  
166, 172) }
```

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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