

Converting Colors

XYZ(37.6424, 37.4129, 48.5506)

Have a look what the booklet for
XYZ(37.6424, 37.4129, 48.5506)
contains.

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Color

**XYZ(37.5607, 37.3311,
48.4060)**

Conversions

Conversions Part 1

Format	Color
Hex	AAA1B4
RGB	170, 161, 180
RGB Percent	67%, 63%, 71%
CMY	0.3333, 0.3686, 0.2941
CMYK	0.06, 0.11, 0.00, 0.29
HSL	268°, 11%, 67%
HSV	268°, 11%, 71%
XYZ	37.5607, 37.3311, 48.4060
YIQ	165.8570, -0.7350, 7.8170

Conversions

Conversions Part 2

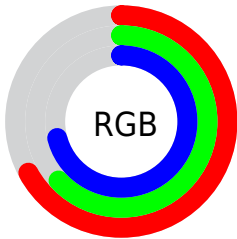
Format	Color
RYB	170, 161, 180
Decimal	11182516
CIELab	67.52, 6.90, -8.63
CIElCh	68, 11.051, 308.617
Yxy	37.3311, 0.3046, 0.3028
Android (android.graphics.Color)	4289372596 (0xFFAAA1B4)
YUV	165.8570, 6.9725, 3.6334
Hunter-Lab	61.0992, 2.8092, -4.2032

Details

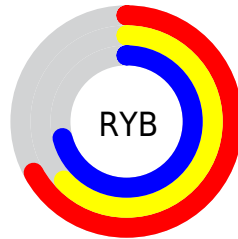
The XYZ color **37.5607, 37.3311, 48.4060** is a light color, and the websafe version is hex **999999**. A complement of this color would be **39.5502, 43.8746, 40.1042**, and the grayscale version is **36.1451, 38.0274, 41.4119**.

A 20% lighter version of the original color is **70.7475, 71.1754, 89.3663**, and **16.7706, 16.3211, 22.3451** is the 20% darker color. If you saturate the color by 10%, you get **32.6641, 30.4694, 47.3402**, and if you desaturate by 10%, it is **43.0599, 45.1777, 49.6313**.

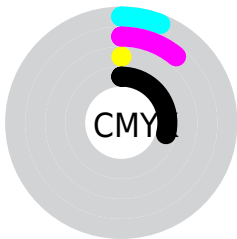
Distribution



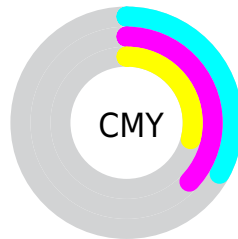
- Red (67%)
- Green (63%)
- Blue (71%)



- Red (67%)
- Yellow (63%)
- Blue (71%)



- Cyan (6%)
- Magenta (11%)
- Yellow (0%)
- Black (29%)



- Cyan (33%)
- Magenta (37%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.5607, 37.3311, 48.4060 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 37.5607, 37.3311, 48.4060 by changing the saturation by 10% instead.

■ 37.5607, 37.3311,
48.4060

■ 37.5607, 37.3311,
48.4060

327.0453,
334.7418, 396.9542

■ 25.8176, 25.4640,
33.7862

■ 70.7426, 71.0817,
89.1804

■ 16.8192, 16.4231,
22.4534

■ 92.9120, 93.7340,
116.1722

■ 10.2002, 9.8240,
13.9889

119.2876,
120.7501, 148.1250

■ 5.5952, 5.2824,
7.9743

150.2347,
152.5144, 185.4574

■ 2.6388, 2.4139,
3.9910

186.1186,
189.4113, 228.5880

■ 0.9658, 0.8330,
1.6204

227.3048,

■ 0.0000, 0.0000,

231.8253, 277.9353

0.3053

274.1586,
280.1406, 333.9179

■ 0.0000, 0.0000,
0.0000

■ 37.5607, 37.3311,
48.4060

■ 37.5607, 37.3311,
48.4060

■ 32.6641, 30.4694,
47.3402

■ 43.0599, 45.1777,
49.6313

■ 28.3446, 24.5478,
46.4249

■ 49.1797, 54.0423,
51.0198

■ 24.5794, 19.5250,
45.6538

■ 55.9410, 63.9621,
52.5781

■ 21.3428, 15.3545,
45.0194

■ 63.3630, 74.9711,
54.3119

■ 18.6070, 11.9858,
44.5134

■ 71.4639, 87.1018,
56.2264

■ 16.3414, 9.3627,
44.1265

■ 75.6296, 91.1218,
56.7828

■ 14.5111, 7.4214,
43.8483

■ 78.6983, 92.7038,
56.9264

■ 13.0758, 6.0868,
43.6663

■ 81.9341, 94.3719,
57.0778

■ 12.0077, 5.2385,
43.5589

■ 85.2383, 96.0753,
57.2325

Harmonies

Analogous

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



35.9739, 37.3311, 50.6192



37.5607, 37.3311, 48.4060



38.6125, 37.3311, 44.1554

Triad

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



37.5607, 37.3311, 48.4060



36.6868, 37.3311, 32.5413



32.3485, 37.3311, 42.0655

Complementary

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



37.5607, 37.3311, 48.4060



39.5502, 43.8746, 40.1042

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.



32.5256, 37.3311, 37.3299



37.5607, 37.3311, 48.4060



34.9948, 37.3311, 32.0792

Square

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



37.5607, 37.3311, 48.4060



38.0968, 37.3311, 35.0821



33.4816, 37.3311, 33.7653



32.9898, 37.3311, 46.7718

Rectangle

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



37.5607, 37.3311, 48.4060



38.8499, 37.3311, 40.8735



33.4816, 37.3311, 33.7653



32.3148, 37.3311, 40.4218

Sweetspot

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



37.5618, 37.3327, 48.4068



75.4820, 78.1927, 89.4090



37.5257, 40.0500, 48.9332



16.1380, 16.6477, 19.2850



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.



37.5618, 37.3327, 48.4068



65.6320, 64.1992, 87.2271



39.6594, 38.4141, 48.5050



8.4120, 8.4209, 10.6884



8.4571, 3.6956, 30.4046



0.3336, 0.1511, 0.9598

Inverse Universe

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



38.9192, 38.1350, 43.8394



68.6850, 66.0039, 76.9379



37.5816, 42.8598, 40.0121



8.6770, 8.5775, 9.7974



14.6047, 7.3594, 8.3442



0.4887, 0.2432, 0.4164

Previews

White Background



This preview shows how the XYZ color 37.5607, 37.3311, 48.4060 looks on a white background.

Color Contrast Check

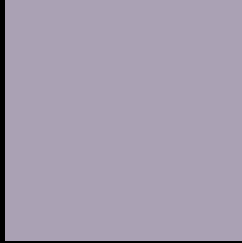
Large Text (above 18pt) WCAG AA × Fail

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 37.5607, 37.3311, 48.4060 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

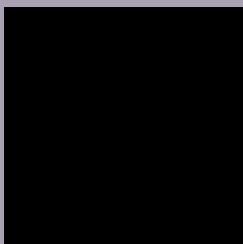
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

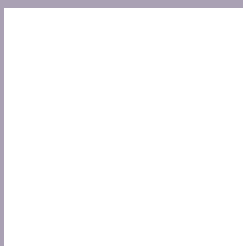
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.5607, 37.3311, 48.4060

Background



This preview shows how black text looks on a background with the XYZ color 37.5607, 37.3311, 48.4060.



This preview shows how white text looks on a background with the XYZ color 37.5607, 37.3311,

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

37.5607, 37.3311, 48.4060

Protanopia

36.3380, 37.2120, 48.9835

Deuteranopia

38.0426, 37.3211, 48.3787



Tritanopia

37.0204, 37.3708, 45.8195

Trichromacy



Original Color

37.5607, 37.3311, 48.4060

Protanomaly

36.7779, 37.1762, 48.9534

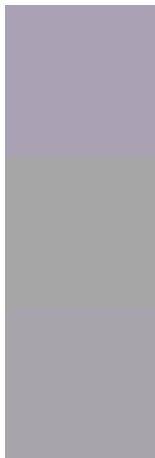
Deuteranomaly

37.8223, 37.2076, 48.3683

Tritanomaly

37.2183, 37.4500, 46.8619

Monochromacy



Original Color

37.5607, 37.3311, 48.4060

Achromatopsia

36.2450, 38.1326, 41.5264

Achromatomaly

36.5625, 37.7067, 43.8791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.5607, 37.3311, 48.4060 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(170, 161, 180)` looks like.

```
.text, #text, p{  
    color:rgb(170, 161, 180)  
}
```

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(170, 161, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 161, 180) }
```

Border

The CSS property to change the border of an element to XYZ 37.5607, 37.3311, 48.4060 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(170, 161, 180) }
```


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

```
.border{ border-color:rgb(170, 161, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 161, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 161, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 161, 180);  
box-shadow:4px 4px 4px 4px rgb(170, 161,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 37.5607, 37.3311, 48.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 161, 180) }
```

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

```
.background{ background-color: rgb(170,  
161, 180) }
```

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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