

Converting Colors

XYZ(37.7700, 38.6552, 50.5984)

Have a look what the booklet for
XYZ(37.7700, 38.6552, 50.5984)
contains.

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Color

**XYZ(37.8050, 38.7325,
50.8310)**

Conversions

Conversions Part 1

Format	Color
Hex	A5A6B8
RGB	165, 166, 184
RGB Percent	65%, 65%, 72%
CMY	0.3529, 0.3490, 0.2784
CMYK	0.10, 0.10, 0.00, 0.28
HSL	237°, 12%, 68%
HSV	237°, 10%, 72%
XYZ	37.8050, 38.7325, 50.8310
YIQ	167.7530, -6.3740, 5.3860

Conversions

Conversions Part 2

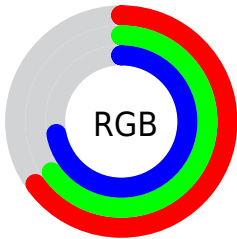
Format	Color
R_{YB}	165, 166, 184
Decimal	10856120
CIE Lab	68.56, 3.24, -9.36
CIE LCh	69, 9.908, 289.096
Yxy	38.7325, 0.2968, 0.3041
Android (android.graphics.Color)	4289046200 (0xFFA5A6B8)
YUV	167.7530, 8.0098, -2.4144
Hunter-Lab	62.2354, -0.4820, -4.8605

Details

The XYZ color **37.8050, 38.7325, 50.8310** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.4923, 46.7735, 42.3339**, and the grayscale version is **37.0636, 38.9937, 42.4642**.

A 20% lighter version of the original color is **71.0998, 73.2198, 92.8236**, and **16.9241, 17.1840, 23.8976** is the 20% darker color. If you saturate the color by 10%, you get **31.2934, 30.9876, 49.6799**, and if you desaturate by 10%, it is **45.2989, 47.6233, 52.1527**.

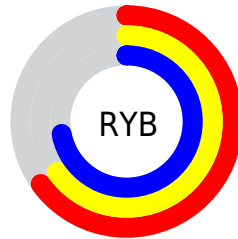
Distribution



Red (65%)

Green (65%)

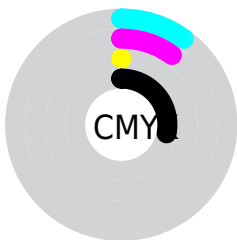
Blue (72%)



Red (65%)

Yellow (65%)

Blue (72%)

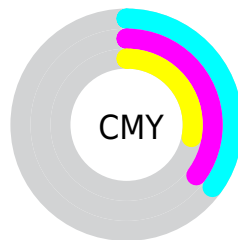


Cyan (10%)

Magenta (10%)

Yellow (0%)

Black (28%)



Cyan (35%)

Magenta (35%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8050, 38.7325, 50.8310 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 37.8050, 38.7325, 50.8310 by changing the saturation by 10% instead.

■ 37.8050, 38.7325,
50.8310

■ 37.8050, 38.7325,
50.8310

328.0781,
340.7519, 406.7346

■ 26.0079, 26.5517,
35.6983

■ 71.1150, 73.2295,
92.8139

■ 16.9623, 17.2368,
23.9135

■ 93.3586, 96.3145,
120.5011

■ 10.3027, 10.4035,
15.0578

119.8151,
123.8029, 153.2103

■ 5.6639, 5.6673,
8.7129

150.8498,
156.0793, 191.3601

■ 2.6805, 2.6438,
4.4602

186.8281,
193.5280, 235.3688

■ 0.9872, 0.9488,
1.8810

228.1153,

■ 0.0000, 0.0000,

236.5334, 285.6551

0.4806

275.0769,
285.4799, 342.6375

■ 0.0000, 0.0000,
0.0000

■ 37.8050, 38.7325,
50.8310

■ 37.8050, 38.7325,
50.8310

■ 31.2934, 30.9876,
49.6799

■ 45.2989, 47.6233,
52.1527

■ 25.7201, 24.3373,
48.6900

■ 53.8099, 57.6988,
53.6489

■ 21.0429, 18.7338,
47.8549

■ 63.3753, 69.0021,
55.3265

■ 17.2150, 14.1236,
47.1668

■ 74.0293, 81.5725,
57.1913

■ 14.1853, 10.4488,
46.6172

■ 85.0645, 95.0660,
59.2142

■ 11.8973, 7.6452,
46.1966

■ 85.6518, 96.2407,
59.4100

■ 10.2871, 5.6408,
45.8946

■ 9.2797, 4.3517,
45.6989

■ 8.7572, 3.6715,
45.5951

Harmonies

Analogous

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



36.2491, 38.7325, 51.1919



37.8050, 38.7325, 50.8310



39.1301, 38.7325, 48.0573

Triad

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



37.8050, 38.7325, 50.8310



38.8151, 38.7325, 36.0027



33.9441, 38.7325, 40.5674

Complementary

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



37.8050, 38.7325, 50.8310



43.4923, 46.7735, 42.3339

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.



34.5913, 38.7325, 36.7899



37.8050, 38.7325, 50.8310



37.3849, 38.7325, 34.2812

Square

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



37.8050, 38.7325, 50.8310



39.7246, 38.7325, 39.4223



35.8406, 38.7325, 34.5588



34.0493, 38.7325, 45.0489

Rectangle

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



37.8050, 38.7325, 50.8310



39.6905, 38.7325, 45.3160



35.8406, 38.7325, 34.5588



34.0801, 38.7325, 39.1790

Sweetspot

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



37.8062, 38.7341, 50.8319



78.2352, 81.7293, 93.8565



41.1777, 45.6888, 51.3035



16.6247, 17.3331, 20.1910



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



37.8062, 38.7341, 50.8319



66.1864, 67.4271, 91.7309



39.3928, 39.2825, 50.8541



8.5581, 8.7935, 11.3257



6.0518, 2.5633, 31.4289



0.2263, 0.1162, 1.1123

Inverse Universe

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



40.1061, 39.8546, 41.6572



71.0528, 69.8059, 72.3169



41.7845, 46.2012, 42.3135



9.0233, 9.0197, 9.4702



13.6683, 7.0411, 0.8744



0.4884, 0.2508, 0.0652

Previews

White Background



This preview shows how the XYZ color 37.8050, 38.7325, 50.8310 looks on a white background.

Color Contrast Check

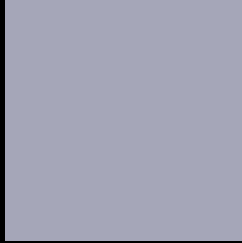
Large Text (above 18pt) WCAG AA × Fail

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 37.8050, 38.7325, 50.8310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

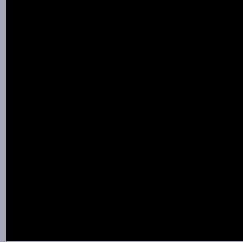
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8050, 38.7325, 50.8310

Background



This preview shows how black text looks on a background with the XYZ color 37.8050, 38.7325, 50.8310.



This preview shows how white text looks on a background with the XYZ color 37.8050, 38.7325,

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

37.8050, 38.7325, 50.8310

Protanopia

37.8050, 38.7325, 50.8310

Deuteranopia

39.5333, 38.8111, 51.3066



Tritanopia

37.3668, 38.8252, 48.7046

Trichromacy



Original Color

37.8050, 38.7325, 50.8310

Protanomaly

37.8050, 38.7325, 50.8310

Deuteranomaly

38.8270, 38.7116, 51.3246

Tritanomaly

37.4690, 38.8661, 49.2431

Monochromacy



Original Color

37.8050, 38.7325, 50.8310

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.3950, 38.9089, 45.5836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8050, 38.7325, 50.8310 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(165, 166, 184)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 184)  
}
```

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(165, 166, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 184) }
```

Border

The CSS property to change the border of an element to XYZ 37.8050, 38.7325, 50.8310 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(165, 166, 184) }
```


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

```
.border{ border-color:rgb(165, 166, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 166, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 184);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8050, 38.7325, 50.8310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 166, 184) }
```

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

```
.background{ background-color: rgb(165,  
166, 184) }
```

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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