

Converting Colors

XYZ(37.7659, 38.7481, 58.5844)

Have a look what the booklet for
XYZ(37.7659, 38.7481, 58.5844)
contains.

XYZ(37.8014, 38.8367, 58.3272)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.8014, 38.8367,
58.3272)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA7C5
RGB	157, 167, 197
RGB Percent	62%, 65%, 77%
CMY	0.3843, 0.3451, 0.2274
CMYK	0.20, 0.15, 0.00, 0.23
HSL	225°, 26%, 69%
HSV	225°, 20%, 77%
XYZ	37.8014, 38.8367, 58.3272
YIQ	167.4300, -15.5900, 7.2100

Conversions

Conversions Part 2

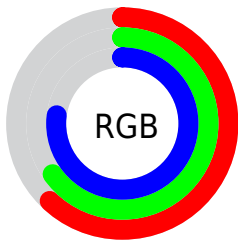
Format	Color
RYB	157, 165, 197
Decimal	10332101
CIELab	68.63, 2.90, -16.51
CIELCh	69, 16.765, 279.972
Yxy	38.8367, 0.2801, 0.2878
Android (android.graphics.Color)	4288522181 (0xFF9DA7C5)
YUV	167.4300, 14.5780, -9.1471
Hunter-Lab	62.3191, -0.7842, -11.8688

Details

The XYZ color **37.8014, 38.8367, 58.3272** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **46.8826, 49.8455, 39.0495**, and the grayscale version is **36.8778, 38.7983, 42.2513**.

A 20% lighter version of the original color is **71.1620, 73.3954, 104.1820**, and **16.9144, 17.2479, 28.4243** is the 20% darker color. If you saturate the color by 10%, you get **31.7098, 31.9061, 57.3112**, and if you desaturate by 10%, it is **44.8244, 46.7084, 59.4771**.

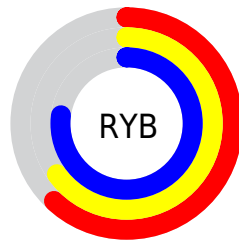
Distribution



Red (62%)

Green (65%)

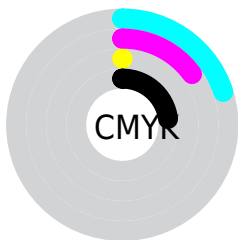
Blue (77%)



Red (62%)

Yellow (65%)

Blue (77%)

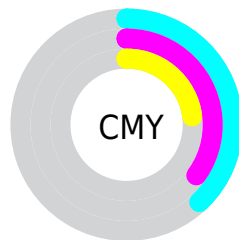


Cyan (20%)

Magenta (15%)

Yellow (0%)

Black (23%)



Cyan (38%)

Magenta (35%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8014, 38.8367, 58.3272 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 37.8014, 38.8367, 58.3272 by changing the saturation by 10% instead.

■ 37.8014, 38.8367,
58.3272

■ 37.8014, 38.8367,
58.3272

328.0629,
341.1957, 436.0363

■ 26.0051, 26.6327,
41.6553

■ 71.1095, 73.3888,
103.9187

■ 16.9602, 17.2976,
28.5079

■ 93.3520, 96.5057,
133.6753

■ 10.3012, 10.4469,
18.4665

119.8073,
124.0290, 168.6307

■ 5.6629, 5.6962,
11.1126

150.8407,
156.3431, 209.2032

■ 2.6799, 2.6613,
6.0275

186.8176,
193.8325, 255.8115

■ 0.9868, 0.9576,
2.7927

228.1034,

■ 0.0000, 0.0000,

236.8814, 308.8741

0.9898

275.0633,
285.8744, 368.8095

■ 0.0000, 0.0000,
0.0000

■ 37.8014, 38.8367,
58.3272

■ 37.8014, 38.8367,
58.3272

■ 31.7098, 31.9061,
57.3112

■ 44.8244, 46.7084,
59.4771

■ 26.5059, 25.8759,
56.4215

■ 52.8127, 55.5505,
60.7627

■ 22.1479, 20.7092,
55.6539

■ 61.8029, 65.3969,
62.1894

■ 18.5892, 16.3648,
55.0029

■ 71.8287, 76.2781,
63.7613

■ 15.7783, 12.7977,
54.4625

■ 82.7366, 88.1282,
65.4737

■ 13.6572, 9.9584,
54.0263

■ 87.0782, 96.8113,
66.9209

■ 12.1586, 7.7906,
53.6869

■ 11.1872, 6.2494,
53.4406

Harmonies

Analogous

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



35.1974, 38.8367, 57.5116



37.8014, 38.8367, 58.3272



40.2800, 38.8367, 54.4688

Triad

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



37.8014, 38.8367, 58.3272



40.9523, 38.8367, 33.5974



32.3351, 38.8367, 37.4886

Complementary

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



37.8014, 38.8367, 58.3272



46.8826, 49.8455, 39.0495

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.



33.7393, 38.8367, 32.0713



37.8014, 38.8367, 58.3272



38.6837, 38.8367, 30.0178

Square

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



37.8014, 38.8367, 58.3272



42.1558, 38.8367, 39.8126



36.0389, 38.8367, 29.4947



32.1242, 38.8367, 44.8609

Rectangle

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



37.8014, 38.8367, 58.3272



41.4969, 38.8367, 50.0078



36.0389, 38.8367, 29.4947



32.6800, 38.8367, 35.4040

Sweetspot

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



37.8026, 38.8383, 58.3281



86.0915, 90.1090, 107.4630



42.7702, 50.6607, 54.1654



18.2269, 19.0651, 22.9692



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



37.8026, 38.8383, 58.3281



63.0723, 64.3139, 103.6973



37.9318, 36.2893, 57.8293



10.2686, 10.7112, 13.4438



7.4150, 4.2240, 35.1689



0.4108, 0.3193, 1.6851

Inverse Universe

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



42.0590, 38.7754, 41.8285



72.0086, 64.3631, 69.0159



46.7098, 53.0166, 39.6707



10.7408, 10.6797, 11.6186



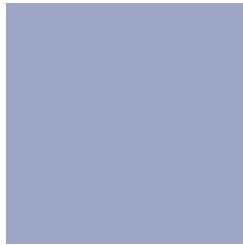
15.5421, 7.9664, 2.7986



0.7660, 0.3893, 0.2911

Previews

White Background



This preview shows how the XYZ color 37.8014, 38.8367, 58.3272 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 37.8014, 38.8367, 58.3272 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

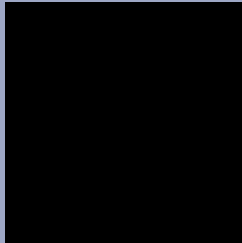
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8014, 38.8367, 58.3272

Background



This preview shows how black text looks on a background with the XYZ color 37.8014, 38.8367, 58.3272.



This preview shows how white text looks on a background with the XYZ color 37.8014, 38.8367,

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

37.8014, 38.8367, 58.3272

Protanopia

38.2980, 38.8350, 57.7019

Deuteranopia

39.6524, 38.7066, 58.8073



Tritanopia

36.0616, 38.6649, 50.3622

Trichromacy



Original Color

37.8014, 38.8367, 58.3272

Protanomaly

38.0972, 38.7315, 57.6925

Deuteranomaly

38.9856, 38.6275, 58.8272

Tritanomaly

36.5973, 38.6047, 53.0995

Monochromacy



Original Color

37.8014, 38.8367, 58.3272

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.9589, 38.6383, 47.6295

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8014, 38.8367, 58.3272 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(157, 167, 197)` looks like.

```
.text, #text, p{  
    color:rgb(157, 167, 197)  
}
```

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(157, 167, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 167, 197) }
```

Border

The CSS property to change the border of an element to XYZ 37.8014, 38.8367, 58.3272 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(157, 167, 197) }
```


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

```
.border{ border-color:rgb(157, 167, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 167, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 167, 197); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 167, 197); box-shadow:4px 4px 4px 4px rgb(157, 167, 197) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8014, 38.8367, 58.3272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 167, 197) }
```

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

```
.background{ background-color: rgb(157,  
167, 197) }
```

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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