

Converting Colors

XYZ(37.8418, 38.3141, 59.7615)

Have a look what the booklet for
XYZ(37.8418, 38.3141, 59.7615)
contains.

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Color

**XYZ(37.7851, 38.2485,
60.0348)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA5C8
RGB	157, 165, 200
RGB Percent	62%, 65%, 78%
CMY	0.3843, 0.3529, 0.2157
CMYK	0.21, 0.17, 0.00, 0.22
HSL	229°, 28%, 70%
HSV	229°, 21%, 78%
XYZ	37.7851, 38.2485, 60.0348
YIQ	166.5980, -16.0030, 9.1890

Conversions

Conversions Part 2

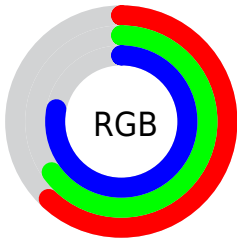
Format	Color
R _Y B	157, 164, 200
Decimal	10331592
CIE Lab	68.20, 4.70, -18.82
CIE LCh	68, 19.400, 284.024
Yxy	38.2485, 0.2777, 0.2811
Android (android.graphics.Color)	4288521672 (0xFF9DA5C8)
YUV	166.5980, 16.4672, -8.4174
Hunter-Lab	61.8454, 0.8271, -14.2625

Details

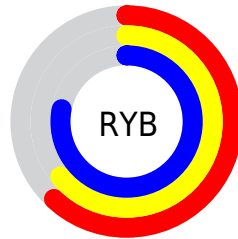
The XYZ color **37.7851, 38.2485, 60.0348** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.7553, 52.4131, 39.4464**, and the grayscale version is **36.4643, 38.3632, 41.7776**.

A 20% lighter version of the original color is **70.7946, 72.4034, 104.8517**, and **16.9191, 16.8888, 29.5623** is the 20% darker color. If you saturate the color by 10%, you get **31.4463, 30.8967, 58.9505**, and if you desaturate by 10%, it is **45.1387, 46.6801, 61.2753**.

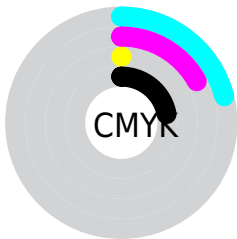
Distribution



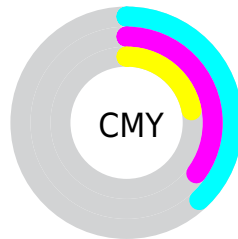
- Red (62%)
- Green (65%)
- Blue (78%)



- Red (62%)
- Yellow (64%)
- Blue (78%)



- Cyan (21%)
- Magenta (17%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7851, 38.2485, 60.0348 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 37.7851, 38.2485, 60.0348 by changing the saturation by 10% instead.

■ 37.7851, 38.2485,
60.0348

■ 37.7851, 38.2485,
60.0348

327.9940,
338.6848, 442.5342

■ 25.9924, 26.1756,
43.0212

■ 71.0847, 72.4889,
106.4240

■ 16.9506, 16.9551,
29.5702

■ 93.3222, 95.4251,
136.6367

■ 10.2944, 10.2025,
19.2633

119.7721,
122.7513, 172.0862

■ 5.6583, 5.5334,
11.6820

150.7997,
154.8518, 213.1910

■ 2.6771, 2.5635,
6.4076

186.7703,
192.1110, 260.3697

■ 0.9854, 0.9084,
3.0217

228.0494,

■ 0.0000, 0.0000,

234.9133, 314.0407

1.1057

275.0021,
283.6431, 374.6227

■ 0.0000, 0.0000,
0.0000

■ 37.7851, 38.2485,
60.0348

■ 37.7851, 38.2485,
60.0348

■ 31.4463, 30.8967,
58.9505

■ 45.1387, 46.6801,
61.2753

■ 26.0738, 24.5761,
58.0137

■ 53.5458, 56.2284,
62.6752

■ 21.6202, 19.2413,
57.2186

■ 63.0473, 66.9339,
64.2408

■ 18.0328, 14.8412,
56.5584

■ 73.6809, 78.8342,
65.9773

■ 15.2531, 11.3205,
56.0254

■ 84.7418, 91.5828,
67.8551

■ 13.2155, 8.6175,
55.6110

■ 87.4254, 96.9502,
68.7497

■ 11.8428, 6.6618,
55.3059

■ 11.0938, 5.5068,
55.1224

Harmonies

Analogous

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



34.7730, 38.2485, 59.8471



37.7851, 38.2485, 60.0348



40.5577, 38.2485, 54.8415

Triad

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



37.7851, 38.2485, 60.0348



40.7090, 38.2485, 31.0876



31.0327, 38.2485, 37.2178

Complementary

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



37.7851, 38.2485, 60.0348



48.7553, 52.4131, 39.4464

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.



32.4514, 38.2485, 30.7578



37.7851, 38.2485, 60.0348



37.9823, 38.2485, 27.5691

Square

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



37.7851, 38.2485, 60.0348



42.3083, 38.2485, 37.7299



34.9596, 38.2485, 27.4575



30.9864, 38.2485, 45.8243

Rectangle

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



37.7851, 38.2485, 60.0348



41.8506, 38.2485, 49.3950



34.9596, 38.2485, 27.4575



31.3612, 38.2485, 34.7532

Sweetspot

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



37.7863, 38.2501, 60.0357



85.7986, 89.5232, 107.3654



44.0078, 52.2566, 57.2892



18.1579, 18.9270, 22.9462



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.



37.7863, 38.2501, 60.0357



59.8572, 59.7911, 102.9938



39.0392, 36.8200, 59.6936



10.2137, 10.6015, 13.4255



7.1025, 3.5988, 35.0647



0.3860, 0.2698, 1.6769

Inverse Universe

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



42.6689, 39.1110, 40.8993



69.9201, 61.7451, 63.5141



47.2589, 54.3210, 39.8935



10.7132, 10.6686, 11.4728



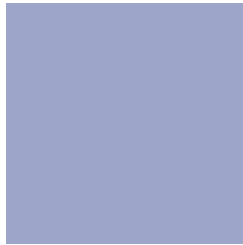
15.3843, 7.9033, 1.9678



0.7535, 0.3843, 0.2252

Previews

White Background



This preview shows how the XYZ color 37.7851, 38.2485, 60.0348 looks on a white background.

Color Contrast Check

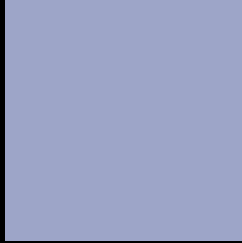
Large Text (above 18pt) WCAG AA × Fail

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 37.7851, 38.2485, 60.0348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

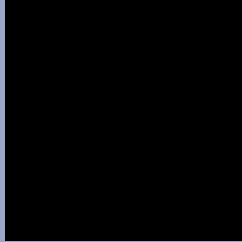
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7851, 38.2485, 60.0348

Background



This preview shows how black text looks on a background with the XYZ color 37.7851, 38.2485, 60.0348.



This preview shows how white text looks on a background with the XYZ color 37.7851, 38.2485,

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

37.7851, 38.2485, 60.0348

Protanopia

38.1785, 38.4513, 60.0532

Deuteranopia

38.9800, 38.0570, 60.5496



Tritanopia

35.5830, 38.1550, 49.7452

Trichromacy



Original Color

37.7851, 38.2485, 60.0348

Protanomaly

37.9810, 38.3495, 60.0440

Deuteranomaly

38.5401, 38.0928, 60.5797

Tritanomaly

36.3305, 38.1816, 53.5991

Monochromacy



Original Color

37.7851, 38.2485, 60.0348

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

36.8772, 38.3136, 48.0995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7851, 38.2485, 60.0348 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, 165, 200)` looks like.

```
.text, #text, p{  
    color:rgb(157, 165, 200)  
}
```

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, 165, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 165, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.7851, 38.2485, 60.0348 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, 165, 200) }
```


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

```
.border{ border-color:rgb(157, 165, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 165, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 165, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 165, 200);  
box-shadow:4px 4px 4px 4px rgb(157, 165,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7851, 38.2485, 60.0348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 165, 200) }
```

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

```
.background{ background-color: rgb(157,  
165, 200) }
```

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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