

Converting Colors

XYZ(37.9810, 38.3495, 60.0440)

Have a look what the booklet for
XYZ(37.9810, 38.3495, 60.0440)
contains.

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Color

**XYZ(37.9810, 38.3495,
60.0440)**

Conversions

Conversions Part 1

Format	Color
Hex	9EA5C8
RGB	158, 165, 200
RGB Percent	62%, 65%, 78%
CMY	0.3804, 0.3529, 0.2157
CMYK	0.21, 0.17, 0.00, 0.22
HSL	230°, 28%, 70%
HSV	230°, 21%, 78%
XYZ	37.9810, 38.3495, 60.0440
YIQ	166.8970, -15.4070, 9.4010

Conversions

Conversions Part 2

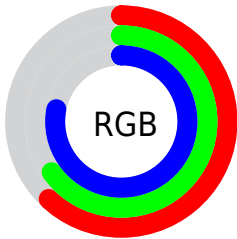
Format	Color
R_{YB}	158, 164, 200
Decimal	10397128
CIE _{Lab}	68.28, 5.02, -18.70
CIE _{LCh}	68, 19.364, 285.014
Yxy	38.3495, 0.2785, 0.2812
Android (android.graphics.Color)	4288587208 (0xFF9EA5C8)
YUV	166.8970, 16.3198, -7.8027
Hunter-Lab	61.9270, 1.1053, -14.1383

Details

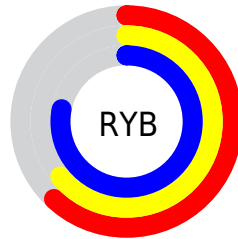
The XYZ color **37.9810, 38.3495, 60.0440** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.0613, 52.8879, 39.9713**, and the grayscale version is **36.6099, 38.5165, 41.9444**.

A 20% lighter version of the original color is **71.0838, 72.5525, 104.8653**, and **17.0373, 16.9497, 29.5678** is the 20% darker color. If you saturate the color by 10%, you get **31.5500, 30.8595, 58.9379**, and if you desaturate by 10%, it is **45.4464, 46.9561, 61.3124**.

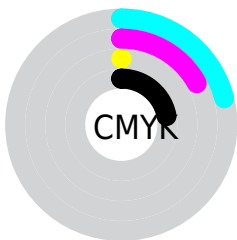
Distribution



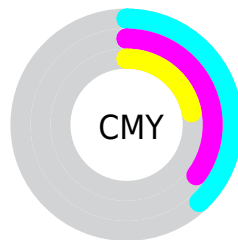
- Red (62%)
- Green (65%)
- Blue (78%)



- 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 37.9810, 38.3495, 60.0440 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 37.9810, 38.3495, 60.0440 by changing the saturation by 10% instead.

■ 37.9810, 38.3495,
60.0440

■ 37.9810, 38.3495,
60.0440

328.8207,
339.1169, 442.5691

■ 26.1451, 26.2541,
43.0286

■ 71.3831, 72.6435,
106.4375

■ 17.0655, 17.0138,
29.5760

■ 93.6800, 95.6109,
136.6526

■ 10.3768, 10.2443,
19.2676

120.1946,
122.9710, 172.1048

■ 5.7137, 5.5613,
11.6851

151.2923,
155.1083, 213.2124

■ 2.7108, 2.5802,
6.4097

187.3384,
192.4071, 260.3941

■ 1.0027, 0.9167,
3.0230

228.6982,

■ 0.0000, 0.0000,

235.2519, 314.0685

1.1064

275.7372,
284.0270, 374.6539

■ 0.0000, 0.0000,
0.0000

■ 37.9810, 38.3495,
60.0440

■ 37.9810, 38.3495,
60.0440

■ 31.5500, 30.8595,
58.9379

■ 45.4464, 46.9561,
61.3124

■ 26.1037, 24.4355,
57.9850

■ 53.9856, 56.7180,
62.7466

■ 21.5940, 19.0297,
57.1792

■ 63.6404, 67.6776,
64.3531

■ 17.9670, 14.5890,
56.5133

■ 74.4493, 79.8739,
66.1376

■ 15.1632, 11.0553,
55.9789

■ 85.3355, 92.7702,
68.0530

■ 13.1156, 8.3638,
55.5674

■ 87.4255, 96.9502,
68.7497

■ 11.7459, 6.4408,
55.2684

■ 10.9788, 5.2769,
55.0842

Harmonies

Analogous

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



34.9635, 38.3495, 60.0467



37.9810, 38.3495, 60.0440



40.7301, 38.3495, 54.7039

Triad

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



37.9810, 38.3495, 60.0440



40.7279, 38.3495, 31.0270



31.1044, 38.3495, 37.5865

Complementary

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



37.9810, 38.3495, 60.0440



49.0613, 52.8879, 39.9713

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.



32.4809, 38.3495, 31.0318



37.9810, 38.3495, 60.0440



37.9782, 38.3495, 27.6172

Square

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



37.9810, 38.3495, 60.0440



42.3748, 38.3495, 37.5791



34.9608, 38.3495, 27.6188



31.1050, 38.3495, 46.2316

Rectangle

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



37.9810, 38.3495, 60.0440



41.9928, 38.3495, 49.2117



34.9608, 38.3495, 27.6188



31.4179, 38.3495, 35.0943

Sweetspot

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



37.9822, 38.3511, 60.0449



85.7102, 89.3464, 107.3359



44.3033, 52.3975, 57.8231



18.1370, 18.8854, 22.9393



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.



37.9822, 38.3511, 60.0449



60.6906, 60.5124, 103.0891



39.5131, 37.3165, 59.7645



10.1972, 10.5685, 13.4200



7.0255, 3.4449, 35.0390



0.3785, 0.2547, 1.6744

Inverse Universe

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



42.8388, 39.4507, 40.9559



70.5715, 62.8892, 64.2204



47.2468, 54.3049, 40.3404



10.7048, 10.6653, 11.4288



15.3455, 7.8878, 1.7632



0.7497, 0.3827, 0.2053

Previews

White Background



This preview shows how the XYZ color 37.9810, 38.3495, 60.0440 looks on a white background.

Color Contrast Check

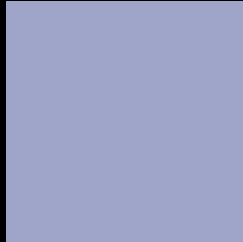
Large Text (above 18pt) WCAG AA × Fail

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 37.9810, 38.3495, 60.0440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

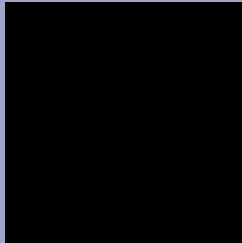
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.9810, 38.3495, 60.0440

Background



This preview shows how black text looks on a background with the XYZ color 37.9810, 38.3495, 60.0440.



This preview shows how white text looks on a background with the XYZ color 37.9810, 38.3495,

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

37.9810, 38.3495, 60.0440

Protanopia

38.1785, 38.4513, 60.0532

Deuteranopia

39.2484, 38.4715, 60.0007



Tritanopia

35.9637, 38.3512, 49.7630

Trichromacy



Original Color

37.9810, 38.3495, 60.0440

Protanomaly

38.1785, 38.4513, 60.0532

Deuteranomaly

38.8050, 38.5076, 60.0310

Tritanomaly

36.7143, 38.3795, 53.6170

Monochromacy



Original Color

37.9810, 38.3495, 60.0440

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.0827, 38.4196, 48.1091

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9810, 38.3495, 60.0440 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(158, 165, 200)` looks like.

```
.text, #text, p{  
    color:rgb(158, 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(158, 165, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 165, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.9810, 38.3495, 60.0440 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(158, 165, 200) }
```


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

```
.border{ border-color:rgb(158, 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(158, 165, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 165, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 165, 200);  
box-shadow:4px 4px 4px 4px rgb(158, 165,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9810, 38.3495, 60.0440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 165, 200) }
```

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

```
.background{ background-color: rgb(158,  
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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