

Converting Colors

XYZ(38.1208, 39.3390, 59.1642)

Have a look what the booklet for
XYZ(38.1208, 39.3390, 59.1642)
contains.

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Color

**XYZ(38.1003, 39.2506,
58.9941)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA8C6
RGB	157, 168, 198
RGB Percent	62%, 66%, 78%
CMY	0.3843, 0.3412, 0.2235
CMYK	0.21, 0.15, 0.00, 0.22
HSL	224°, 26%, 70%
HSV	224°, 21%, 78%
XYZ	38.1003, 39.2506, 58.9941
YIQ	168.1310, -16.1860, 6.9980

Conversions

Conversions Part 2

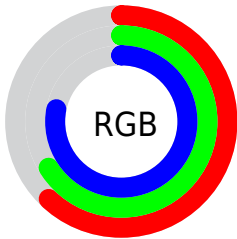
Format	Color
R _Y B	157, 166, 198
Decimal	10332358
CIE Lab	68.93, 2.58, -16.61
CIE LCh	69, 16.811, 278.822
Yxy	39.2506, 0.2794, 0.2879
Android (android.graphics.Color)	4288522438 (0xFF9DA8C6)
YUV	168.1310, 14.7254, -9.7619
Hunter-Lab	62.6503, -1.0846, -11.9747

Details

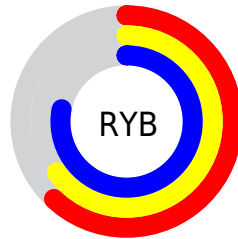
The XYZ color **38.1003, 39.2506, 58.9941** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.1452, 49.9807, 39.0617**, and the grayscale version is **37.2204, 39.1588, 42.6439**.

A 20% lighter version of the original color is **71.5891, 73.9924, 105.1166**, and **17.1051, 17.5077, 28.8633** is the 20% darker color. If you saturate the color by 10%, you get **32.0188, 32.3647, 57.9862**, and if you desaturate by 10%, it is **45.1082, 47.0584, 60.1324**.

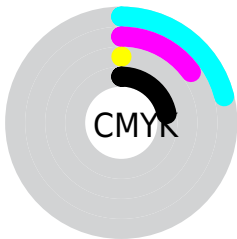
Distribution



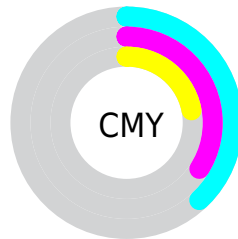
- Red (62%)
- Green (66%)
- Blue (78%)



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



- Cyan (21%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1003, 39.2506, 58.9941 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 38.1003, 39.2506, 58.9941 by changing the saturation by 10% instead.

■ 38.1003, 39.2506,
58.9941

■ 38.1003, 39.2506,
58.9941

329.3235,
342.9548, 438.5813

■ 26.2381, 26.9547,
42.1884

■ 71.5648, 74.0210,
104.8981

■ 17.1355, 17.5392,
28.9222

■ 93.8977, 97.2643,
134.8335

■ 10.4270, 10.6197,
18.7769

120.4517,
124.9256, 169.9826

■ 5.7474, 5.8117,
11.3340

151.5920,
157.3892, 210.7638

■ 2.7313, 2.7309,
6.1750

187.6839,
195.0395, 257.5957

■ 1.0133, 0.9929,
2.8813

229.0929,

■ 0.0000, 0.0000,

238.2609, 310.8969

1.0343

276.1843,
287.4379, 371.0860

■ 0.0000, 0.0000,
0.0000

■ 38.1003, 39.2506,
58.9941

■ 38.1003, 39.2506,
58.9941

■ 32.0188, 32.3647,
57.9862

■ 45.1082, 47.0584,
60.1324

■ 26.8203, 26.3609,
57.1013

■ 53.0763, 55.8163,
61.4029

■ 22.4632, 21.2036,
56.3355

■ 62.0410, 65.5573,
62.8106

■ 18.9008, 16.8525,
55.6834

■ 72.0357, 76.3112,
64.3596

■ 16.0818, 13.2641,
55.1393

■ 82.7225, 87.9160,
66.0363

■ 13.9485, 10.3902,
54.6971

■ 87.1694, 96.8098,
67.5186

■ 12.4333, 8.1761,
54.3496

■ 87.1932, 96.8573,
67.5265

■ 11.4723, 6.6355,
54.1028

Harmonies

Analogous

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



35.4805, 39.2506, 57.9835



38.1003, 39.2506, 58.9941



40.6220, 39.2506, 55.2607

Triad

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



38.1003, 39.2506, 58.9941



41.4555, 39.2506, 34.1581



32.7165, 39.2506, 37.6374

Complementary

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



38.1003, 39.2506, 58.9941



47.1452, 49.9807, 39.0617

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.



34.1765, 39.2506, 32.2651



38.1003, 39.2506, 58.9941



39.1941, 39.2506, 30.4294

Square

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



38.1003, 39.2506, 58.9941



42.6190, 39.2506, 40.5193



36.5238, 39.2506, 29.7803



32.4550, 39.2506, 45.0346

Rectangle

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



38.1003, 39.2506, 58.9941



41.8786, 39.2506, 50.8188



36.5238, 39.2506, 29.7803



33.0800, 39.2506, 35.5613

Sweetspot

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



38.1015, 39.2522, 58.9950



86.1756, 90.2772, 107.4910



43.0033, 51.1185, 54.2694



18.2467, 19.1047, 22.9758



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.



38.1015, 39.2522, 58.9950



62.2417, 63.6146, 103.6061



37.9523, 36.2865, 58.4304



10.2844, 10.7428, 13.4490



7.5218, 4.4375, 35.2044



0.4179, 0.3335, 1.6875

Inverse Universe

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



42.4145, 38.9479, 42.3298



71.3545, 63.2024, 68.3433



47.2958, 53.6570, 39.7633



10.7488, 10.6829, 11.6605



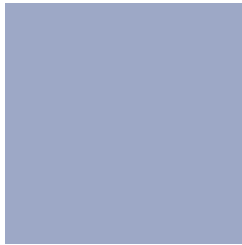
15.5960, 7.9880, 3.0823



0.7696, 0.3907, 0.3099

Previews

White Background



This preview shows how the XYZ color 38.1003, 39.2506, 58.9941 looks on a white background.

Color Contrast Check

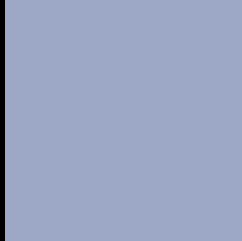
Large Text (above 18pt) WCAG AA × Fail

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 38.1003, 39.2506, 58.9941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

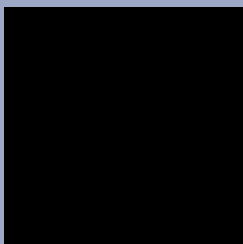
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

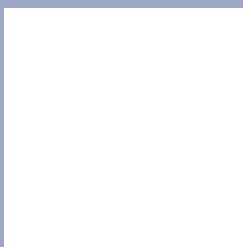
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.1003, 39.2506, 58.9941

Background



This preview shows how black text looks on a background with the XYZ color 38.1003, 39.2506, 58.9941.



This preview shows how white text looks on a background with the XYZ color 38.1003, 39.2506,

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

38.1003, 39.2506, 58.9941

Protanopia

38.7971, 39.3500, 58.3738

Deuteranopia

39.9464, 39.1095, 59.4763



Tritanopia

36.3529, 39.0802, 50.9746

Trichromacy



Original Color

38.1003, 39.2506, 58.9941

Protanomaly

38.3940, 39.1422, 58.3550

Deuteranomaly

39.2810, 39.0331, 59.4966

Tritanomaly

36.8908, 39.0186, 53.7311

Monochromacy



Original Color

38.1003, 39.2506, 58.9941

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.4492, 39.1525, 48.2312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1003, 39.2506, 58.9941 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, 168, 198)` looks like.

```
.text, #text, p{  
    color:rgb(157, 168, 198)  
}
```

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, 168, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 168, 198) }
```

Border

The CSS property to change the border of an element to XYZ 38.1003, 39.2506, 58.9941 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, 168, 198) }
```


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

```
.border{ border-color:rgb(157, 168, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 168, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 168, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 168, 198);  
box-shadow:4px 4px 4px 4px rgb(157, 168,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1003, 39.2506, 58.9941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 168, 198) }
```

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

```
.background{ background-color: rgb(157,  
168, 198) }
```

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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