

Converting Colors

XYZ(39.0314, 40.3846, 58.3897)

Have a look what the booklet for
XYZ(39.0314, 40.3846, 58.3897)
contains.

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Color

**XYZ(38.9500, 40.2543,
58.5403)**

Conversions

Conversions Part 1

Format	Color
Hex	A0AAC5
RGB	160, 170, 197
RGB Percent	63%, 67%, 77%
CMY	0.3725, 0.3333, 0.2274
CMYK	0.19, 0.14, 0.00, 0.23
HSL	224°, 24%, 70%
HSV	224°, 19%, 77%
XYZ	38.9500, 40.2543, 58.5403
YIQ	170.0880, -14.6270, 6.2770

Conversions

Conversions Part 2

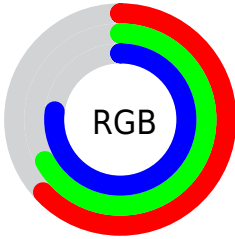
Format	Color
R _Y B	160, 168, 197
Decimal	10529477
CIE Lab	69.65, 2.20, -14.95
CIE LCh	70, 15.117, 278.386
Yxy	40.2543, 0.2828, 0.2922
Android (android.graphics.Color)	4288719557 (0xFFA0AAC5)
YUV	170.0880, 13.2676, -8.8472
Hunter-Lab	63.4463, -1.4489, -10.2930

Details

The XYZ color **38.9500, 40.2543, 58.5403** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.1418, 49.9490, 40.4151**, and the grayscale version is **38.1945, 40.1836, 43.7600**.

A 20% lighter version of the original color is **72.8389, 75.4533, 104.4908**, and **17.6207, 18.1282, 28.5570** is the 20% darker color. If you saturate the color by 10%, you get **32.7707, 33.2856, 57.5216**, and if you desaturate by 10%, it is **46.0505, 48.1373, 59.6883**.

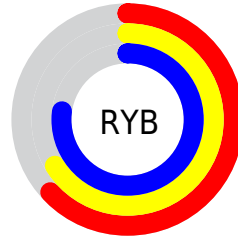
Distribution



Red (63%)

Green (67%)

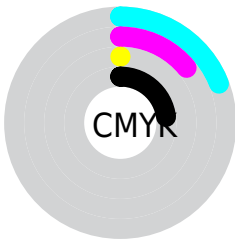
Blue (77%)



Red (63%)

Yellow (66%)

Blue (77%)

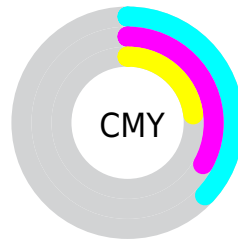


Cyan (19%)

Magenta (14%)

Yellow (0%)

Black (23%)



Cyan (37%)

Magenta (33%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.9500, 40.2543, 58.5403 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 38.9500, 40.2543, 58.5403 by changing the saturation by 10% instead.

■ 38.9500, 40.2543,
58.5403

■ 38.9500, 40.2543,
58.5403

332.8887,
347.1942, 436.8506

■ 26.9014, 27.7369,
41.8256

■ 72.8565, 75.5506,
104.2318

■ 17.6354, 18.1274,
28.6402

■ 95.4451, 99.0983,
134.0456

■ 10.7866, 11.0415,
18.5656

122.2777,
127.0915, 169.0630

■ 5.9898, 6.0948,
11.1832

153.7197,
159.9146, 209.7023

■ 2.8795, 2.9028,
6.0745

190.1364,
197.9520, 256.3822

■ 1.0903, 1.0812,
2.8209

231.8933,

■ 0.0170, 0.0000,

241.5882, 309.5212

1.0039

279.3556,
291.2075, 369.5378

■ 0.0000, 0.0000,
0.0000

■ 38.9500, 40.2543,
58.5403

■ 38.9500, 40.2543,
58.5403

■ 32.7707, 33.2856,
57.5216

■ 46.0505, 48.1373,
59.6883

■ 27.4701, 27.1924,
56.6248

■ 54.1049, 56.9618,
60.9671

■ 23.0079, 21.9400,
55.8462

■ 63.1488, 66.7601,
62.3817

■ 19.3389, 17.4896,
55.1806

■ 73.2149, 77.5611,
63.9359

■ 16.4136, 13.7991,
54.6224

■ 83.0338, 88.7225,
65.5728

■ 14.1763, 10.8221,
54.1657

■ 87.0782, 96.8113,
66.9209

■ 12.5629, 8.5063,
53.8037

■ 11.4747, 6.7797,
53.5278

■ 11.3629, 6.6007,
53.4992

Harmonies

Analogous

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



36.5552, 40.2543, 57.5723



38.9500, 40.2543, 58.5403



41.2537, 40.2543, 55.2500

Triad

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



38.9500, 40.2543, 58.5403



42.0640, 40.2543, 35.9921



34.0553, 40.2543, 39.0566

Complementary

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



38.9500, 40.2543, 58.5403



47.1418, 49.9490, 40.4151

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.



35.4157, 40.2543, 34.1034



38.9500, 40.2543, 58.5403



40.0180, 40.2543, 32.4696

Square

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



38.9500, 40.2543, 58.5403



43.1010, 40.2543, 41.8963



37.5792, 40.2543, 31.8170



33.7967, 40.2543, 45.8225

Rectangle

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



38.9500, 40.2543, 58.5403



42.4041, 40.2543, 51.2712



37.5792, 40.2543, 31.8170



34.3961, 40.2543, 37.1462

Sweetspot

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



38.9512, 40.2559, 58.5412



86.1848, 90.2955, 107.4941



43.3822, 50.9740, 54.2961



18.2489, 19.1091, 22.9765



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.



38.9512, 40.2559, 58.5412



64.5008, 66.1921, 103.9845



38.8017, 37.5005, 58.0172



10.2861, 10.7462, 13.4496



7.5338, 4.4616, 35.2085



0.4186, 0.3350, 1.6878

Inverse Universe

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



42.8535, 39.9152, 43.4779



72.9685, 65.6617, 71.2509



47.2943, 53.2880, 41.0516



10.7497, 10.6833, 11.6651



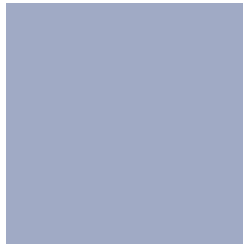
15.6021, 7.9904, 3.1144



0.7700, 0.3908, 0.3120

Previews

White Background



This preview shows how the XYZ color 38.9500, 40.2543, 58.5403 looks on a white background.

Color Contrast Check

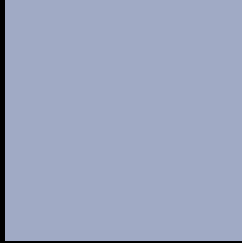
Large Text (above 18pt) WCAG AA × Fail

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 38.9500, 40.2543, 58.5403 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 38.9500, 40.2543, 58.5403

Background



This preview shows how black text looks on a background with the XYZ color 38.9500, 40.2543, 58.5403.



This preview shows how white text looks on a background with the XYZ color 38.9500, 40.2543,

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

38.9500, 40.2543, 58.5403

Protanopia

39.6688, 40.3608, 57.9242

Deuteranopia

41.0628, 40.2339, 59.0278



Tritanopia

37.7160, 40.3193, 52.2489

Trichromacy



Original Color

38.9500, 40.2543, 58.5403

Protanomaly

39.2560, 40.1480, 57.9049

Deuteranomaly

40.1602, 40.0395, 59.0378

Tritanomaly

38.1552, 40.2145, 54.4664

Monochromacy



Original Color

38.9500, 40.2543, 58.5403

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.3388, 40.1517, 48.9094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9500, 40.2543, 58.5403 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(160, 170, 197)` looks like.

```
.text, #text, p{  
    color:rgb(160, 170, 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(160, 170, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 170, 197) }
```

Border

The CSS property to change the border of an element to XYZ 38.9500, 40.2543, 58.5403 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(160, 170, 197) }
```


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

```
.border{ border-color:rgb(160, 170, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 170, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 170, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 170, 197);  
box-shadow:4px 4px 4px 4px rgb(160, 170,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9500, 40.2543, 58.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 170, 197) }
```

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

```
.background{ background-color: rgb(160,  
170, 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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