

Converting Colors

XYZ(40.0728, 40.6146, 58.5149)

Have a look what the booklet for
XYZ(40.0728, 40.6146, 58.5149)
contains.

XYZ(39.9919, 40.5141, 58.5355)	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(39.9919, 40.5141,
58.5355)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A9C5
RGB	166, 169, 197
RGB Percent	65%, 66%, 77%
CMY	0.3490, 0.3372, 0.2274
CMYK	0.16, 0.14, 0.00, 0.23
HSL	234°, 21%, 71%
HSV	234°, 16%, 77%
XYZ	39.9919, 40.5141, 58.5355
YIQ	171.2950, -10.7760, 8.0720

Conversions

Conversions Part 2

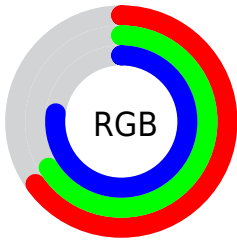
Format	Color
R _Y B	166, 169, 197
Decimal	10922437
CIE Lab	69.83, 4.69, -14.63
CIE LCh	70, 15.368, 287.786
Yxy	40.5141, 0.2876, 0.2914
Android (android.graphics.Color)	4289112517 (0xFFA6A9C5)
YUV	171.2950, 12.6726, -4.6437
Hunter-Lab	63.6507, 0.7633, -9.9698

Details

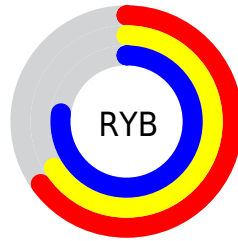
The XYZ color **39.9919, 40.5141, 58.5355** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.2010, 53.2071, 43.7542**, and the grayscale version is **38.8001, 40.8207, 44.4537**.

A 20% lighter version of the original color is **74.3638, 75.8392, 104.4850**, and **18.2586, 18.2832, 28.5533** is the 20% darker color. If you saturate the color by 10%, you get **33.0866, 32.3712, 57.3284**, and if you desaturate by 10%, it is **47.9827, 49.8874, 59.9242**.

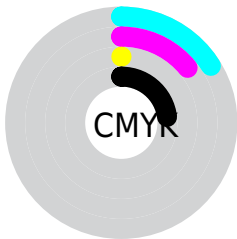
Distribution



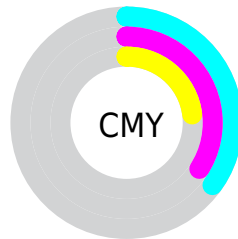
- Red (65%)
- Green (66%)
- Blue (77%)



- Red (65%)
- Yellow (66%)
- Blue (77%)



- Cyan (16%)
- Magenta (14%)
- Yellow (0%)
- Black (23%)



- Cyan (35%)
- Magenta (34%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9919, 40.5141, 58.5355 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 39.9919, 40.5141, 58.5355 by changing the saturation by 10% instead.

■ 39.9919, 40.5141,
58.5355

■ 39.9919, 40.5141,
58.5355

337.2244,
348.2857, 436.8322

■ 27.7164, 27.9396,
41.8218

■ 74.4356, 75.9457,
104.2247

■ 18.2514, 18.2801,
28.6372

■ 97.3345, 99.5717,
134.0373

■ 11.2314, 11.1513,
18.5633

124.5053,
127.6502, 169.0532

■ 6.2911, 6.1687,
11.1816

156.3133,
160.5657, 209.6911

■ 3.0652, 2.9479,
6.0734

193.1238,
198.7026, 256.3694

■ 1.1884, 1.1046,
2.8203

235.3023,

■ 0.0971, 0.0000,

242.4453, 309.5066

1.0036

283.2141,
292.1782, 369.5214

■ 0.0000, 0.0000,
0.0000

■ 39.9919, 40.5141,
58.5355

■ 39.9919, 40.5141,
58.5355

■ 33.0866, 32.3712,
57.3284

■ 47.9827, 49.8874,
59.9242

■ 27.2163, 25.4027,
56.2927

■ 57.0992, 60.5339,
61.4987

■ 22.3321, 19.5557,
55.4215

■ 67.3842, 72.5007,
63.2665

■ 18.3796, 14.7714,
54.7064

■ 78.8768, 85.8310,
65.2337

■ 15.2991, 10.9856,
54.1380

■ 87.0782, 96.8113,
66.9209

■ 13.0239, 8.1271,
53.7062

■ 11.4776, 6.1151,
53.3993

■ 10.5676, 4.8540,
53.2039

■ 10.3123, 4.4996,
53.1489

Harmonies

Analogous

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



37.5011, 40.5141, 58.9540



39.9919, 40.5141, 58.5355



42.1719, 40.5141, 54.0060

Triad

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



39.9919, 40.5141, 58.5355



41.8224, 40.5141, 34.6973



34.0053, 40.5141, 41.2689

Complementary

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



39.9919, 40.5141, 58.5355



49.2010, 53.2071, 43.7542

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.



35.0616, 40.5141, 35.5085



39.9919, 40.5141, 58.5355



39.5316, 40.5141, 31.9984

Square

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



39.9919, 40.5141, 58.5355



43.2598, 40.5141, 40.0468



37.0602, 40.5141, 32.2784



34.1166, 40.5141, 48.4454

Rectangle

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



39.9919, 40.5141, 58.5355



43.1229, 40.5141, 49.5153



37.0602, 40.5141, 32.2784



34.2337, 40.5141, 39.1186

Sweetspot

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



39.9931, 40.5158, 58.5364



86.9496, 90.5331, 107.4996



45.4193, 51.9308, 58.6105



18.3761, 19.1032, 22.9687



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.



39.9931, 40.5158, 58.5364



67.0108, 67.1292, 104.0331



42.1672, 40.8170, 58.4800



10.1379, 10.4499, 13.4002



6.8112, 3.0163, 34.9676



0.3514, 0.2006, 1.6653

Inverse Universe

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



43.8246, 42.0084, 43.3365



75.2321, 70.3832, 71.4069



46.7612, 52.9510, 43.8334



10.6749, 10.6533, 11.2713



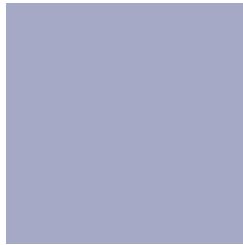
15.2373, 7.8445, 1.1935



0.7361, 0.3773, 0.1333

Previews

White Background



This preview shows how the XYZ color 39.9919, 40.5141, 58.5355 looks on a white background.

Color Contrast Check

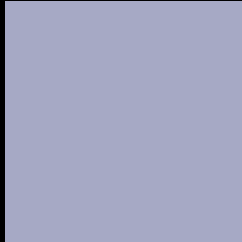
Large Text (above 18pt) WCAG AA × Fail

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 39.9919, 40.5141, 58.5355 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

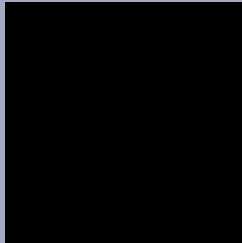
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9919, 40.5141, 58.5355

Background



This preview shows how black text looks on a background with the XYZ color 39.9919, 40.5141, 58.5355.



This preview shows how white text looks on a background with the XYZ color 39.9919, 40.5141,

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

39.9919, 40.5141, 58.5355

Protanopia

39.9919, 40.5141, 58.5355

Deuteranopia

41.2848, 40.3483, 59.0381



Tritanopia

38.6297, 40.5211, 51.6843

Trichromacy



Original Color

39.9919, 40.5141, 58.5355

Protanomaly

39.9919, 40.5141, 58.5355

Deuteranomaly

40.8063, 40.3726, 59.0680

Tritanomaly

39.0771, 40.4229, 53.8869

Monochromacy



Original Color

39.9919, 40.5141, 58.5355

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

38.9751, 40.4798, 48.9392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9919, 40.5141, 58.5355 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(166, 169, 197)` looks like.

```
.text, #text, p{  
    color:rgb(166, 169, 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(166, 169, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 169, 197) }
```

Border

The CSS property to change the border of an element to XYZ 39.9919, 40.5141, 58.5355 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(166, 169, 197) }
```


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

```
.border{ border-color:rgb(166, 169, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 169, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 169, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 169, 197);  
box-shadow:4px 4px 4px 4px rgb(166, 169,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9919, 40.5141, 58.5355 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 169, 197) }
```

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

```
.background{ background-color: rgb(166,  
169, 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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