

Converting Colors

XYZ(39.8347, 39.8603, 59.6275)

Have a look what the booklet for
XYZ(39.8347, 39.8603, 59.6275)
contains.

XYZ(39.8534, 39.8679, 59.6276)	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(39.8534, 39.8679,
59.6276)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A7C7
RGB	166, 167, 199
RGB Percent	65%, 65%, 78%
CMY	0.3490, 0.3451, 0.2196
CMYK	0.17, 0.16, 0.00, 0.22
HSL	238°, 23%, 72%
HSV	238°, 17%, 78%
XYZ	39.8534, 39.8679, 59.6276
YIQ	170.3490, -10.8680, 9.7400

Conversions

Conversions Part 2

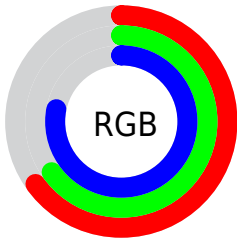
Format	Color
RYB	166, 167, 199
Decimal	10921927
CIELab	69.38, 6.24, -16.43
CIELCh	69, 17.574, 290.794
Yxy	39.8679, 0.2860, 0.2861
Android (android.graphics.Color)	4289112007 (0xFFA6A7C7)
YUV	170.3490, 14.1249, -3.8141
Hunter-Lab	63.1410, 2.1689, -11.7921

Details

The XYZ color **39.8534, 39.8679, 59.6276** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.6306, 55.2835, 44.0797**, and the grayscale version is **38.3191, 40.3147, 43.9027**.

A 20% lighter version of the original color is **73.9901, 74.8347, 105.1526**, and **18.1810, 17.8832, 29.2816** is the 20% darker color. If you saturate the color by 10%, you get **32.7252, 31.3321, 58.3564**, and if you desaturate by 10%, it is **48.1570, 49.7947, 61.1067**.

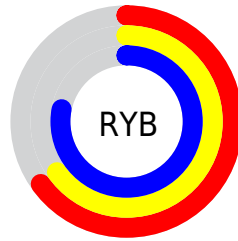
Distribution



Red (65%)

Green (65%)

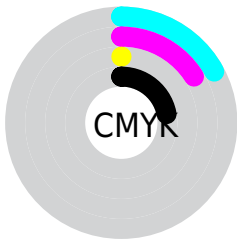
Blue (78%)



Red (65%)

Yellow (65%)

Blue (78%)

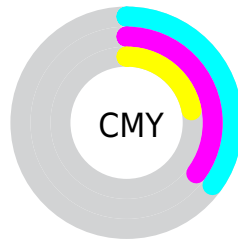


Cyan (17%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (35%)

Magenta (35%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8534, 39.8679, 59.6276 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 39.8534, 39.8679, 59.6276 by changing the saturation by 10% instead.

■ 39.8534, 39.8679,
59.6276

■ 39.8534, 39.8679,
59.6276

336.6503,
345.5665, 440.9902

■ 27.6080, 27.4356,
42.6952

■ 74.2260, 74.9623,
105.8273

■ 18.1693, 17.9006,
29.3164

■ 97.0838, 98.3932,
135.9318

■ 11.1720, 10.8787,
19.0727

124.2099,
126.2590, 171.2640

■ 6.2508, 5.9853,
11.5455

155.9695,
158.9442, 212.2425

■ 3.0403, 2.8361,
6.3162

192.7279,
196.8332, 259.2858

■ 1.1751, 1.0468,
2.9664

234.8507,

■ 0.0866, 0.0000,

240.3103, 312.8125

1.0775

282.7030,
289.7599, 373.2411

■ 0.0000, 0.0000,
0.0000

■ 39.8534, 39.8679,
59.6276

■ 39.8534, 39.8679,
59.6276

■ 32.7252, 31.3321,
58.3564

■ 48.1570, 49.7947,
61.1067

■ 26.7158, 24.1204,
57.2811

■ 57.6818, 61.1654,
62.7994

■ 21.7696, 18.1681,
56.3929

■ 68.4757, 74.0363,
64.7148

■ 17.8247, 13.4030,
55.6810

■ 80.5830, 88.4593,
66.8606

■ 14.8126, 9.7453,
55.1338

■ 87.3089, 96.9036,
68.1361

■ 12.6567, 7.1060,
54.7380

■ 11.2677, 5.3818,
54.4784

■ 10.5334, 4.4461,
54.3365

■ 10.3745, 4.2547,
54.3079

Harmonies

Analogous

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



37.0313, 39.8679, 60.6372



39.8534, 39.8679, 59.6276



42.2576, 39.8679, 53.9980

Triad

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



39.8534, 39.8679, 59.6276



41.4296, 39.8679, 32.4417



32.7829, 39.8679, 40.9690

Complementary

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



39.8534, 39.8679, 59.6276



50.6306, 55.2835, 44.0797

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.



33.8402, 39.8679, 34.3042



39.8534, 39.8679, 59.6276



38.7685, 39.8679, 29.7992

Square

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



39.8534, 39.8679, 59.6276



43.1986, 39.8679, 38.1204



35.9984, 39.8679, 30.4359



33.0411, 39.8679, 49.1663

Rectangle

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



39.8534, 39.8679, 59.6276



43.2547, 39.8679, 48.7278



35.9984, 39.8679, 30.4359



32.9942, 39.8679, 38.4927

Sweetspot

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



39.8546, 39.8695, 59.6285



86.6959, 90.0256, 107.4151



46.3316, 53.0272, 61.1596



18.3147, 18.9804, 22.9483



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.



39.8546, 39.8695, 59.6285



64.9144, 63.9826, 103.5363



43.0959, 41.2691, 59.7278



10.0821, 10.3382, 13.3816



6.6826, 2.7590, 34.9247



0.3256, 0.1491, 1.6568

Inverse Universe

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



44.1655, 42.2056, 42.3797



73.9186, 68.8800, 67.5042



46.9786, 53.7418, 43.9746



10.6467, 10.6421, 11.1228



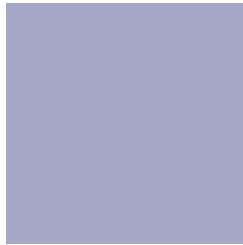
15.1724, 7.8185, 0.8517



0.7231, 0.3721, 0.0648

Previews

White Background



This preview shows how the XYZ color 39.8534, 39.8679, 59.6276 looks on a white background.

Color Contrast Check

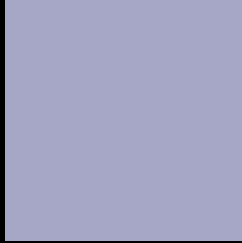
Large Text (above 18pt) WCAG AA × Fail

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 39.8534, 39.8679, 59.6276 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 39.8534, 39.8679, 59.6276

Background



This preview shows how black text looks on a background with the XYZ color 39.8534, 39.8679, 59.6276.



This preview shows how white text looks on a background with the XYZ color 39.8534, 39.8679,

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

39.8534, 39.8679, 59.6276

Protanopia

39.5322, 39.9619, 60.2734

Deuteranopia

40.5585, 39.6917, 59.5564



Tritanopia

38.0262, 39.9549, 50.5076

Trichromacy



Original Color

39.8534, 39.8679, 59.6276

Protanomaly

39.7378, 40.0679, 60.2831

Deuteranomaly

40.3072, 39.8310, 59.5966

Tritanomaly

38.6831, 39.9426, 53.8150

Monochromacy



Original Color

39.8534, 39.8679, 59.6276

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.8906, 40.1471, 49.4155

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8534, 39.8679, 59.6276 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, 167, 199)` looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 199)  
}
```

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, 167, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 199) }
```

Border

The CSS property to change the border of an element to XYZ 39.8534, 39.8679, 59.6276 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, 167, 199) }
```


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

```
.border{ border-color:rgb(166, 167, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 167, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 167, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 167, 199);  
box-shadow:4px 4px 4px 4px rgb(166, 167,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8534, 39.8679, 59.6276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 167, 199) }
```

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

```
.background{ background-color: rgb(166,  
167, 199) }
```

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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