

Converting Colors

XYZ(39.7034, 39.7883, 58.7576)

Have a look what the booklet for
XYZ(39.7034, 39.7883, 58.7576)
contains.

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Color

**XYZ(39.7376, 39.8216,
59.0180)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A7C6
RGB	166, 167, 198
RGB Percent	65%, 65%, 78%
CMY	0.3490, 0.3451, 0.2235
CMYK	0.16, 0.16, 0.00, 0.22
HSL	238°, 22%, 71%
HSV	238°, 16%, 78%
XYZ	39.7376, 39.8216, 59.0180
YIQ	170.2350, -10.5470, 9.4290

Conversions

Conversions Part 2

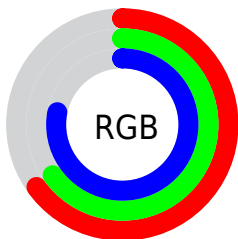
Format	Color
RYB	166, 167, 198
Decimal	10921926
CIELab	69.34, 6.02, -15.93
CIElCh	69, 17.026, 290.701
Yxy	39.8216, 0.2868, 0.2874
Android (android.graphics.Color)	4289112006 (0xFFA6A7C6)
YUV	170.2350, 13.6881, -3.7141
Hunter-Lab	63.1044, 1.9710, -11.2776

Details

The XYZ color **39.7376, 39.8216, 59.0180** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.1381, 54.6913, 43.9912**, and the grayscale version is **38.2642, 40.2570, 43.8398**.

A 20% lighter version of the original color is **73.9901, 74.8347, 105.1526**, and **18.1042, 17.8525, 28.8772** is the 20% darker color. If you saturate the color by 10%, you get **32.6454, 31.3313, 57.7536**, and if you desaturate by 10%, it is **47.9924, 49.6869, 60.4878**.

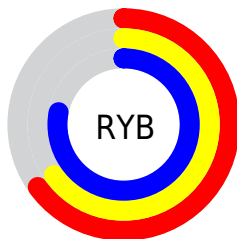
Distribution



Red (65%)

Green (65%)

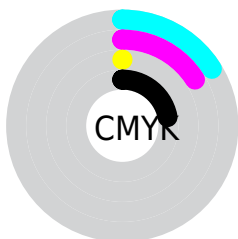
Blue (78%)



Red (65%)

Yellow (65%)

Blue (78%)

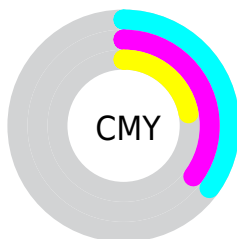


Cyan (16%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (35%)

Magenta (35%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.7376, 39.8216, 59.0180 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 39.7376, 39.8216, 59.0180 by changing the saturation by 10% instead.

■ 39.7376, 39.8216,
59.0180

■ 39.7376, 39.8216,
59.0180

336.1698,
345.3711, 438.6724

■ 27.5173, 27.3995,
42.2075

■ 74.0507, 74.8918,
104.9332

■ 18.1007, 17.8735,
28.9370

■ 96.8741, 98.3086,
134.8750

■ 11.1224, 10.8592,
18.7880

123.9627,
126.1592, 170.0310

■ 6.2172, 5.9722,
11.3419

155.6818,
158.8278, 210.8196

■ 3.0195, 2.8282,
6.1803

192.3967,
196.6989, 257.6596

■ 1.1641, 1.0427,
2.8844

234.4727,

■ 0.0777, 0.0000,

240.1569, 310.9693

1.0359

282.2753,
289.5861, 371.1674

■ 0.0000, 0.0000,
0.0000

■ 39.7376, 39.8216,
59.0180

■ 39.7376, 39.8216,
59.0180

■ 32.6454, 31.3313,
57.7536

■ 47.9924, 49.6869,
60.4878

■ 26.6601, 24.1502,
56.6830

■ 57.4549, 60.9792,
62.1687

■ 21.7269, 18.2148,
55.7974

■ 68.1722, 73.7538,
64.0696

■ 17.7852, 13.4541,
55.0862

■ 80.1878, 88.0618,
66.1980

■ 14.7678, 9.7902,
54.5380

■ 87.1932, 96.8573,
67.5264

■ 12.5993, 7.1355,
54.1399

■ 11.1926, 5.3893,
53.8770

■ 10.4395, 4.4287,
53.7313

■ 10.2604, 4.2118,
53.6989

Harmonies

Analogous

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



37.0063, 39.8216, 59.9737



39.7376, 39.8216, 59.0180



42.0637, 39.8216, 53.6080

Triad

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



39.7376, 39.8216, 59.0180



41.2765, 39.8216, 32.7231



32.8960, 39.8216, 40.9719

Complementary

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



39.7376, 39.8216, 59.0180



50.1381, 54.6913, 43.9912

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.



33.9261, 39.8216, 34.5073



39.7376, 39.8216, 59.0180



38.7049, 39.8216, 30.1367

Square

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



39.7376, 39.8216, 59.0180



42.9815, 39.8216, 38.2530



36.0217, 39.8216, 30.7480



33.1427, 39.8216, 48.9002

Rectangle

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



39.7376, 39.8216, 59.0180



43.0294, 39.8216, 48.5262



36.0217, 39.8216, 30.7480



33.1025, 39.8216, 38.5722

Sweetspot

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



39.7388, 39.8232, 59.0189



86.6995, 90.0329, 107.4163



45.9911, 52.5240, 60.4981



18.3156, 18.9822, 22.9485



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.



39.7388, 39.8232, 59.0189



66.2288, 65.5651, 103.7724



42.8705, 41.1662, 59.1131



10.0829, 10.3398, 13.3818



6.6843, 2.7624, 34.9253



0.3260, 0.1498, 1.6569

Inverse Universe

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



43.9009, 42.0692, 42.3673



74.8374, 70.2253, 69.3282



46.6221, 53.2175, 43.8920



10.6471, 10.6422, 11.1249



15.1732, 7.8189, 0.8562



0.7233, 0.3721, 0.0658

Previews

White Background



This preview shows how the XYZ color 39.7376, 39.8216, 59.0180 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 39.7376, 39.8216, 59.0180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

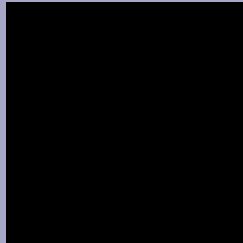
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.7376, 39.8216, 59.0180

Background



This preview shows how black text looks on a background with the XYZ color 39.7376, 39.8216, 59.0180.



This preview shows how white text looks on a background with the XYZ color 39.7376, 39.8216,

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

39.7376, 39.8216, 59.0180

Protanopia

39.4157, 39.9153, 59.6598

Deuteranopia

40.6614, 39.7581, 58.9571



Tritanopia

38.0262, 39.9549, 50.5076

Trichromacy



Original Color

39.7376, 39.8216, 59.0180

Protanomaly

39.6213, 40.0213, 59.6694

Deuteranomaly

40.4068, 39.8957, 58.9971

Tritanomaly

38.5749, 39.8993, 53.2452

Monochromacy



Original Color

39.7376, 39.8216, 59.0180

Achromatopsia

38.2080, 40.1978, 43.7754

Achromatomaly

38.7884, 40.1062, 48.8769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.7376, 39.8216, 59.0180 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, 198) looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 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(166, 167, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 198) }
```

Border

The CSS property to change the border of an element to XYZ 39.7376, 39.8216, 59.0180 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, 198) }
```


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

```
.border{ border-color:rgb(166, 167, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 167, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 167, 198);  
box-shadow:4px 4px 4px 4px rgb(166, 167,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 39.7376, 39.8216, 59.0180 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, 198) }
```

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

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