

Converting Colors

XYZ(39.9764, 40.1119, 59.6694)

Have a look what the booklet for
XYZ(39.9764, 40.1119, 59.6694)
contains.

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Color

**XYZ(40.0373, 40.2358,
59.6889)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A8C7
RGB	166, 168, 199
RGB Percent	65%, 66%, 78%
CMY	0.3490, 0.3412, 0.2196
CMYK	0.17, 0.16, 0.00, 0.22
HSL	236°, 23%, 72%
HSV	236°, 17%, 78%
XYZ	40.0373, 40.2358, 59.6889
YIQ	170.9360, -11.1430, 9.2170

Conversions

Conversions Part 2

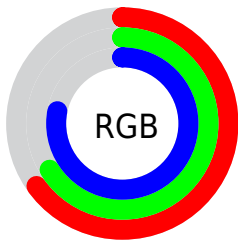
Format	Color
R _Y B	166, 168, 199
Decimal	10922183
CIE Lab	69.64, 5.69, -16.03
CIE LCh	70, 17.012, 289.523
Yxy	40.2358, 0.2861, 0.2875
Android (android.graphics.Color)	4289112263 (0xFFA6A8C7)
YUV	170.9360, 13.8356, -4.3289
Hunter-Lab	63.4317, 1.6615, -11.3894

Details

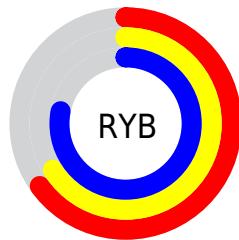
The XYZ color **40.0373, 40.2358, 59.6889** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.4026, 54.8275, 44.0035**, and the grayscale version is **38.6143, 40.6253, 44.2409**.

A 20% lighter version of the original color is **74.2565, 75.3675, 105.2414**, and **18.2957, 18.1125, 29.3198** is the 20% darker color. If you saturate the color by 10%, you get **32.9778, 31.8374, 58.4406**, and if you desaturate by 10%, it is **48.2408, 49.9625, 61.1346**.

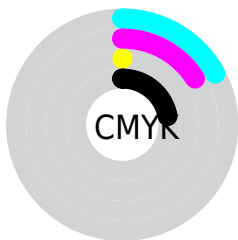
Distribution



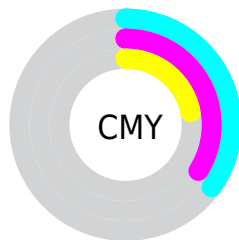
- Red (65%)
- Green (66%)
- Blue (78%)



- Red (65%)
- Yellow (66%)
- Blue (78%)



- Cyan (17%)
- Magenta (16%)
- Yellow (0%)
- Black (22%)



- Cyan (35%)
- Magenta (34%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.0373, 40.2358, 59.6889 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 40.0373, 40.2358, 59.6889 by changing the saturation by 10% instead.

■ 40.0373, 40.2358,
59.6889

■ 40.0373, 40.2358,
59.6889

337.4125,
347.1164, 441.2229

■ 27.7520, 27.7224,
42.7443

■ 74.5043, 75.5224,
105.9172

■ 18.2783, 18.1165,
29.3546

■ 97.4167, 99.0645,
136.0379

■ 11.2509, 11.0337,
19.1014

124.6021,
127.0516, 171.3878

■ 6.3044, 6.0895,
11.5660

156.4259,
159.8682, 212.3853

■ 3.0734, 2.8996,
6.3300

193.2535,
197.8985, 259.4491

■ 1.1927, 1.0795,
2.9747

235.4502,

■ 0.1006, 0.0000,

241.5271, 312.9975

1.0817

283.3814,
291.1383, 373.4493

■ 0.0000, 0.0000,
0.0000

■ 40.0373, 40.2358,
59.6889

■ 40.0373, 40.2358,
59.6889

■ 32.9778, 31.8374,
58.4406

■ 48.2408, 49.9625,
61.1346

■ 27.0080, 24.7048,
57.3785

■ 57.6322, 61.0662,
62.7829

■ 22.0747, 18.7782,
56.4945

■ 68.2573, 73.5997,
64.6421

■ 18.1186, 13.9908,
55.7790

■ 80.1588, 87.6111,
66.7193

■ 15.0746, 10.2693,
55.2211

■ 87.3089, 96.9036,
68.1360

■ 12.8697, 7.5321,
54.8090

■ 11.4194, 5.6853,
54.5290

■ 10.6179, 4.6152,
54.3646

■ 10.4413, 4.3883,
54.3302

Harmonies

Analogous

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



37.2894, 40.2358, 60.4518



40.0373, 40.2358, 59.6889



42.4077, 40.2358, 54.3939

Triad

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



40.0373, 40.2358, 59.6889



41.7791, 40.2358, 33.2710



33.2755, 40.2358, 41.1134

Complementary

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



40.0373, 40.2358, 59.6889



50.4026, 54.8275, 44.0035

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.



34.3602, 40.2358, 34.6965



40.0373, 40.2358, 59.6889



39.2125, 40.2358, 30.5424

Square

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



40.0373, 40.2358, 59.6889



43.4462, 40.2358, 38.9417



36.5030, 40.2358, 31.0310



33.4726, 40.2358, 49.0679

Rectangle

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



40.0373, 40.2358, 59.6889



43.4134, 40.2358, 49.3241



36.5030, 40.2358, 31.0310



33.5002, 40.2358, 38.7229

Sweetspot

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



40.0385, 40.2375, 59.6898



86.8115, 90.2568, 107.4536



46.2052, 52.9766, 60.4941



18.3427, 19.0364, 22.9576



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.



40.0385, 40.2375, 59.6898



65.2875, 64.7287, 103.6606



42.8381, 41.1362, 59.7157



10.1075, 10.3890, 13.3901



6.7363, 2.8665, 34.9426



0.3374, 0.1726, 1.6607

Inverse Universe

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



44.2583, 42.2426, 42.8687



74.1069, 68.9553, 68.4958



47.2424, 53.8777, 43.9868



10.6595, 10.6472, 11.1904



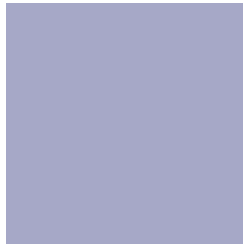
15.1995, 7.8294, 0.9944



0.7290, 0.3744, 0.0960

Previews

White Background



This preview shows how the XYZ color 40.0373, 40.2358, 59.6889 looks on a white background.

Color Contrast Check

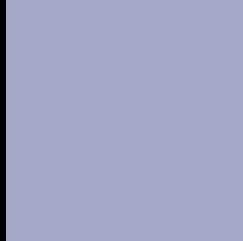
Large Text (above 18pt) WCAG AA × Fail

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 40.0373, 40.2358, 59.6889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

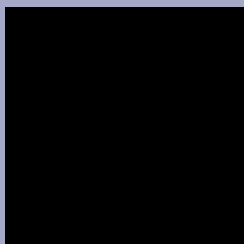
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.0373, 40.2358, 59.6889

Background



This preview shows how black text looks on a background with the XYZ color 40.0373, 40.2358, 59.6889.



This preview shows how white text looks on a background with the XYZ color 40.0373, 40.2358,

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

40.0373, 40.2358, 59.6889

Protanopia

39.8066, 40.3920, 59.7312

Deuteranopia

40.9583, 40.1666, 59.6270



Tritanopia

38.3189, 40.3730, 51.1206

Trichromacy



Original Color

40.0373, 40.2358, 59.6889

Protanomaly

40.0138, 40.4988, 59.7409

Deuteranomaly

40.7051, 40.3070, 59.6675

Tritanomaly

38.8699, 40.3161, 53.8772

Monochromacy



Original Color

40.0373, 40.2358, 59.6889

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

39.0774, 40.5207, 49.4777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0373, 40.2358, 59.6889 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, 168, 199)` looks like.

```
.text, #text, p{  
    color:rgb(166, 168, 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, 168, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 168, 199) }
```

Border

The CSS property to change the border of an element to XYZ 40.0373, 40.2358, 59.6889 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, 168, 199) }
```


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

```
.border{ border-color:rgb(166, 168, 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, 168, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 168, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 168, 199);  
box-shadow:4px 4px 4px 4px rgb(166, 168,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0373, 40.2358, 59.6889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 168, 199) }
```

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

```
.background{ background-color: rgb(166,  
168, 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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