

Converting Colors

XYZ(39.3208, 38.3203, 64.3565)

Have a look what the booklet for
XYZ(39.3208, 38.3203, 64.3565)
contains.

XYZ(39.4639, 38.4859, 64.3800)	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(39.4639, 38.4859,
64.3800)**

Conversions

Conversions Part 1

Format	Color
Hex	A3A3CF
RGB	163, 163, 207
RGB Percent	64%, 64%, 81%
CMY	0.3608, 0.3608, 0.1882
CMYK	0.21, 0.21, 0.00, 0.19
HSL	240°, 31%, 73%
HSV	240°, 21%, 81%
XYZ	39.4639, 38.4859, 64.3800
YIQ	168.0160, -14.1240, 13.6840

Conversions

Conversions Part 2

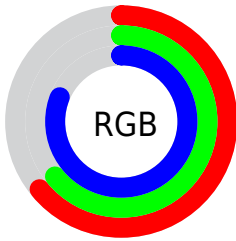
Format	Color
R _Y B	163, 163, 207
Decimal	10724303
CIE Lab	68.38, 9.32, -22.39
CIE LCh	68, 24.249, 292.598
Yxy	38.4859, 0.2773, 0.2704
Android (android.graphics.Color)	4288914383 (0xFFA3A3CF)
YUV	168.0160, 19.2191, -4.3990
Hunter-Lab	62.0370, 4.9853, -18.1033

Details

The XYZ color **39.4639, 38.4859, 64.3800** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **54.6561, 60.5353, 43.4551**, and the grayscale version is **37.1419, 39.0762, 42.5540**.

A 20% lighter version of the original color is **72.0348, 72.2682, 104.7603**, and **17.9898, 17.0483, 32.4795** is the 20% darker color. If you saturate the color by 10%, you get **32.1882, 29.7192, 63.0720**, and if you desaturate by 10%, it is **48.0374, 48.8164, 65.9227**.

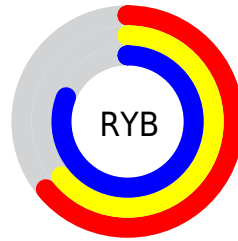
Distribution



Red (64%)

Green (64%)

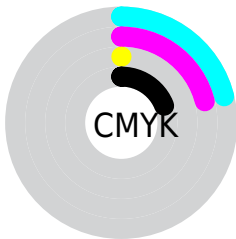
Blue (81%)



Red (64%)

Yellow (64%)

Blue (81%)

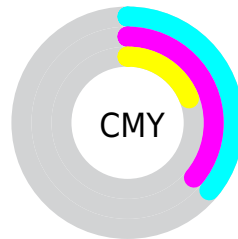


Cyan (21%)

Magenta (21%)

Yellow (0%)

Black (19%)



Cyan (36%)

Magenta (36%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.4639, 38.4859, 64.3800 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 39.4639, 38.4859, 64.3800 by changing the saturation by 10% instead.

■ 39.4639, 38.4859,
64.3800

■ 39.4639, 38.4859,
64.3800

335.0321,
339.6998, 458.8057

■ 27.3031, 26.3600,
46.5104

■ 73.6360, 72.8523,
112.7627

■ 17.9388, 17.0932,
32.2972

■ 96.3781, 95.8616,
144.1129

■ 11.0055, 10.3009,
21.3219

123.3780,
123.2675, 180.7937

■ 6.1378, 5.5989,
13.1660

155.0010,
155.4544, 223.2237

■ 2.9705, 2.6028,
7.4109

191.6126,
192.8067, 271.8213

■ 1.1382, 0.9281,
3.6380

233.5781,

■ 0.0567, 0.0000,

235.7087, 327.0051

1.4289

281.2628,
284.5450, 389.1938

■ 0.0000, 0.0000,
0.1641

■ 0.0000, 0.0000,
0.0000

■ 39.4639, 38.4859,
64.3800

■ 39.4639, 38.4859,
64.3800

■ 32.1882, 29.7192,
63.0720

■ 48.0374, 48.8164,
65.9227

■ 26.1435, 22.4358,
61.9847

■ 57.9635, 60.7766,
67.7081

■ 21.2629, 16.5551,
61.1069

■ 69.2986, 74.4346,
69.7470

■ 17.4717, 11.9868,
60.4249

■ 82.0947, 89.8528,
72.0486

■ 14.6862, 8.6305,
59.9239

■ 88.2626, 97.2850,
73.1580

■ 12.8110, 6.3709,
59.5866

■ 11.7320, 5.0707,
59.3925

■ 11.2627, 4.5052,
59.3081

Harmonies

Analogous

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



35.6452, 38.4859, 66.3085



39.4639, 38.4859, 64.3800



42.7053, 38.4859, 55.9645

Triad

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



39.4639, 38.4859, 64.3800



41.2063, 38.4859, 27.3653



29.7931, 38.4859, 39.2626

Complementary

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



39.4639, 38.4859, 64.3800



54.6561, 60.5353, 43.4551

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.



31.0698, 38.4859, 30.4219



39.4639, 38.4859, 64.3800



37.5304, 38.4859, 24.3703

Square

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



39.4639, 38.4859, 64.3800



43.7590, 38.4859, 34.3572



33.8396, 38.4859, 25.3833



30.2320, 38.4859, 50.4835

Rectangle

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



39.4639, 38.4859, 64.3800



44.0151, 38.4859, 48.4891



33.8396, 38.4859, 25.3833



30.0326, 38.4859, 35.9449

Sweetspot

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



39.4651, 38.4875, 64.3809



84.9554, 87.8368, 107.0843



48.5909, 56.8821, 66.9815



17.9594, 18.5301, 22.8801



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.



39.4651, 38.4875, 64.3809



57.0955, 54.2677, 102.0732



44.1917, 40.9237, 64.6020



11.1638, 11.4178, 14.8591



7.0959, 2.8385, 37.3664



0.3968, 0.1587, 2.0893

Inverse Universe

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



45.4411, 42.1052, 40.3841



68.5261, 61.1875, 56.1734



49.1094, 57.6764, 43.1957



11.8088, 11.8083, 12.2690



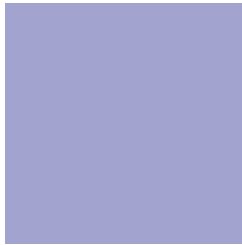
16.2124, 8.3578, 0.7589



0.9065, 0.4673, 0.0425

Previews

White Background



This preview shows how the XYZ color 39.4639, 38.4859, 64.3800 looks on a white background.

Color Contrast Check

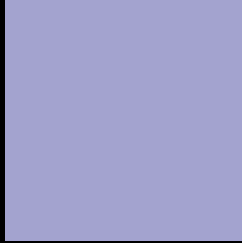
Large Text (above 18pt) WCAG AA × Fail

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 39.4639, 38.4859, 64.3800 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

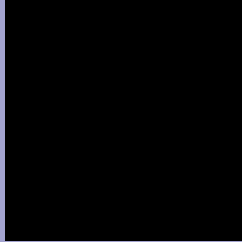
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.4639, 38.4859, 64.3800

Background



This preview shows how black text looks on a background with the XYZ color 39.4639, 38.4859, 64.3800.



This preview shows how white text looks on a background with the XYZ color 39.4639, 38.4859,

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

39.4639, 38.4859, 64.3800

Protanopia

38.5506, 38.5323, 65.0801

Deuteranopia

39.2600, 38.3808, 64.3705



Tritanopia

36.4437, 38.6106, 49.2479

Trichromacy



Original Color

39.4639, 38.4859, 64.3800

Protanomaly

38.9587, 38.4759, 65.0478

Deuteranomaly

39.2600, 38.3808, 64.3705

Tritanomaly

37.4277, 38.4637, 54.1668

Monochromacy



Original Color

39.4639, 38.4859, 64.3800

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

37.8056, 38.7568, 49.7442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.4639, 38.4859, 64.3800 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(163, 163, 207)` looks like.

```
.text, #text, p{  
    color:rgb(163, 163, 207)  
}
```

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(163, 163, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 163, 207) }
```

Border

The CSS property to change the border of an element to XYZ 39.4639, 38.4859, 64.3800 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(163, 163, 207) }
```


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

```
.border{ border-color:rgb(163, 163, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 163, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 163, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 163, 207);  
box-shadow:4px 4px 4px 4px rgb(163, 163,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 39.4639, 38.4859, 64.3800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 163, 207) }
```

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

```
.background{ background-color: rgb(163,  
163, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor