

Converting Colors

CIELCh(39, 56.308, 299.909)

Have a look what the booklet for
CIELCh(39, 56.308, 299.909)
contains.

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Color

CIELCh(39, 56.031, 299.875)

Conversions

Conversions Part 1

Format	Color
Hex	5750AC
RGB	87, 80, 172
RGB Percent	34%, 31%, 67%
CMY	0.6603, 0.6876, 0.3270
CMYK	0.50, 0.54, 0.00, 0.33
HSL	245°, 37%, 49%
HSV	245°, 54%, 67%
XYZ	14.1469, 10.6589, 40.1453
YIQ	92.5810, -25.3600, 30.0960

Conversions

Conversions Part 2

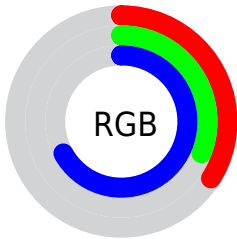
Format	Color
R _Y B	87, 80, 172
Decimal	5722284
CIE Lab	39.00, 27.91, -48.59
CIE LCh	39, 56.031, 299.875
Yxy	10.6589, 0.2178, 0.1641
Android (android.graphics.Color)	4283912364 (0xFF5750AC)
YUV	92.5810, 39.1536, -4.8945
Hunter-Lab	32.6480, 20.2126, -50.0516

Details

The CIELCh color $39, 56.031, 299.875$ is a dark color, and the websafe version is hex $6666CC$. A complement of this color would be $68, 48.385, 108.790$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $59, 56.253, 299.944$, and $19, 56.274, 299.918$ is the 20% darker color. If you saturate the color by 10%, you get $34, 67.514, 301.649$, and if you desaturate by 10%, it is $45, 44.715, 298.231$.

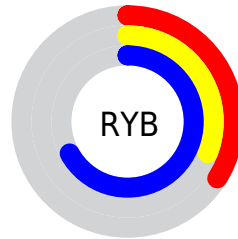
Distribution



Red (34%)

Green (31%)

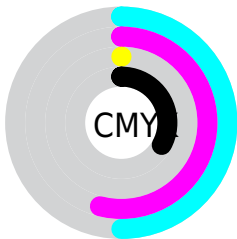
Blue (67%)



Red (34%)

Yellow (31%)

Blue (67%)

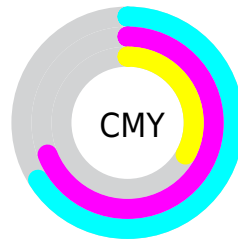


Cyan (50%)

Magenta (54%)

Yellow (0%)

Black (33%)



Cyan (66%)

Magenta (69%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 56.031, 299.875 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 CIELCh color 39, 56.031, 299.875 by changing the saturation by 10% instead.

■ 39, 56.031,
299.875

■ 39, 56.031,
299.875

■ 100, 56.031,
299.875

■ 29, 56.031,
299.875

■ 59, 56.031,
299.875

■ 19, 56.031,
299.875

■ 69, 56.031,
299.875

■ 9, 56.031, 299.875

■ 79, 56.031,
299.875

■ 0, 56.031, 299.875

■ 89, 56.031,
299.875

■ 99, 56.031,
299.875

■ 39, 56.031,
299.875

■ 39, 56.031,
299.875

■ 34, 67.514,
301.649

■ 45, 44.715,
298.231

■ 29, 78.680,
303.424

■ 51, 33.761,
296.766

■ 24, 88.558,
304.978

■ 56, 23.227,
295.491

■ 22, 95.716,
306.025

■ 62, 13.112,
294.394


■ 20, 99.047,
306.536

■ 68, 3.395, 293.462

■ 74, 5.951, 112.644

■ 80, 14.950,
111.959

■ 85, 23.629,
111.371

 91, 32.008,
110.865

Harmonies

Complementary

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



39, 56.031, 299.875



68, 48.385, 108.790

Rectangle

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



39, 56.031, 299.875



39, 56.031, 349.875



39, 56.031, 119.875



39, 56.031, 169.875

Sweetspot

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



39, 56.031, 299.876



77, 19.140, 294.674



63, 26.455, 204.768



39, 13.078, 294.887



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39, 56.031, 299.876



43, 83.896, 301.926



44, 56.829, 313.784



34, 5.468, 293.976



17, 89.852, 306.574



1, 11.364, 292.603

Inverse Universe

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



48, 57.037, 329.507



58, 80.782, 330.071



65, 53.273, 128.943



34, 6.259, 327.041



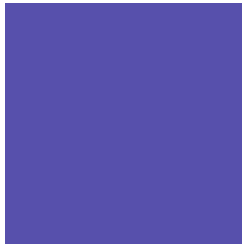
35, 73.543, 331.432



2, 12.854, 327.541

Previews

White Background



This preview shows how the CIE LCh color 39, 56.031, 299.875 looks on a white 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 × Fail

Black Background



This preview shows how the CIE LCh color 39, 56.031, 299.875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

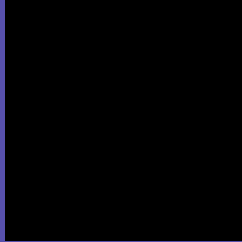
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 56.031, 299.875

Background



This preview shows how black text looks on a background with the CIELCh color 39, 56.031, 299.875.



This preview shows how white text looks on a background with the CIELCh color 39, 56.031, 299.875.

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





Tritanopia
39, 12.057, 219.087

Trichromacy



Original Color
39, 56.031, 299.875

Protanomaly
39, 56.143, 290.348

Deuteranomaly
38, 49.021, 283.368

Tritanomaly
39, 23.785, 279.141

Monochromacy



Original Color
39, 56.031, 299.875

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 20.297, 295.327

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 56.031, 299.875 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(87, 80, 172)` looks like.

```
.text, #text, p{  
    color:rgb(87, 80, 172)  
}
```

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(87, 80, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 80, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 56.031, 299.875 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(87, 80, 172) }
```

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

```
.border{ border-color:rgb(87, 80, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 80, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 80, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 80, 172);  
box-shadow:4px 4px 4px 4px rgb(87, 80,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 56.031, 299.875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 80, 172) }
```

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

```
.background{ background-color: rgb(87, 80,  
172) }
```

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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