

Converting Colors

CIELCh(39, 56.442, 286.789)

Have a look what the booklet for
CIELCh(39, 56.442, 286.789)
contains.

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Color

CIELCh(39, 56.995, 287.128)

Conversions

Conversions Part 1

Format	Color
Hex	1F58B5
RGB	31, 88, 181
RGB Percent	12%, 35%, 71%
CMY	0.8799, 0.6538, 0.2889
CMYK	0.83, 0.51, 0.00, 0.29
HSL	217°, 71%, 42%
HSV	217°, 83%, 71%
XYZ	12.4389, 10.6589, 45.2902
YIQ	81.5590, -63.8250, 16.8390

Conversions

Conversions Part 2

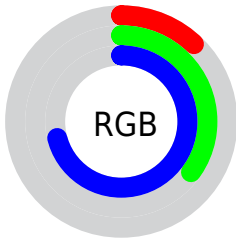
Format	Color
R _Y B	31, 72, 181
Decimal	2054325
CIE Lab	39.00, 16.79, -54.47
CIE LCh	39, 56.995, 287.128
Yxy	10.6589, 0.1819, 0.1559
Android (android.graphics.Color)	4280244405 (0xFF1F58B5)
YUV	81.5590, 49.0244, -44.3402
Hunter-Lab	32.6480, 10.8745, -59.3950

Details

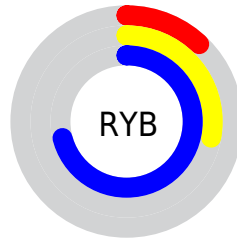
The CIELCh color **39, 56.995, 287.128** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **56, 57.287, 75.000**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 57.339, 287.426**, and **21, 55.232, 294.622** is the 20% darker color. If you saturate the color by 10%, you get **35, 64.451, 290.996**, and if you desaturate by 10%, it is **43, 49.716, 283.438**.

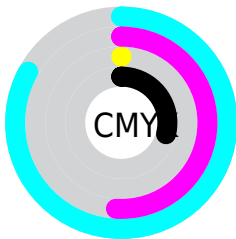
Distribution



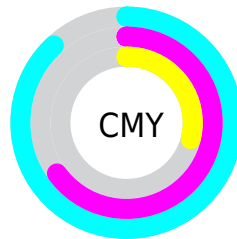
- Red (12%)
- Green (35%)
- Blue (71%)



- Red (12%)
- Yellow (28%)
- Blue (71%)



- Cyan (83%)
- Magenta (51%)
- Yellow (0%)
- Black (29%)



- Cyan (88%)
- Magenta (65%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 56.995, 287.128 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, 56.995, 287.128 by changing the saturation by 10% instead.

■ 39, 56.995,
287.128

■ 39, 56.995,
287.128

■ 100, 56.995,
287.128

■ 29, 56.995,
287.128

■ 59, 56.995,
287.128

■ 19, 56.995,
287.128

■ 69, 56.995,
287.128

■ 9, 56.995, 287.128

■ 79, 56.995,
287.128

■ 0, 56.995, 287.128

■ 89, 56.995,
287.128

■ 99, 56.995,
287.128

■ 39, 56.995,
287.128

■ 39, 56.995,
287.128

■ 35, 64.451,
290.996

■ 43, 49.716,
283.438

■ 33, 69.665,
293.551

■ 47, 42.618,
280.069

■ 51, 35.662,
277.087

■ 55, 28.809,
274.502

■ 59, 22.030,
272.286

■ 64, 15.312,
270.396

■ 68, 8.650, 268.790

■ 72, 2.048, 267.500

Harmonies

Complementary

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



39, 56.995, 287.128



56, 57.287, 75.000

Rectangle

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



39, 56.995, 287.128



39, 56.995, 337.128



39, 56.995, 107.128



39, 56.995, 157.128

Sweetspot

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



39, 56.995, 287.129



79, 20.442, 270.805



66, 54.424, 159.491



40, 13.955, 271.447



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



39, 56.995, 287.129



43, 85.995, 294.217



27, 91.790, 305.411



36, 3.771, 268.256



28, 61.425, 293.065



3, 11.347, 275.227

Inverse Universe

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



40, 61.022, 5.599



50, 80.096, 14.264



70, 70.782, 109.577



36, 4.520, 351.293



33, 58.732, 12.579



2, 11.540, 357.358

Previews

White Background



This preview shows how the CIE LCh color 39, 56.995, 287.128 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, 56.995, 287.128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

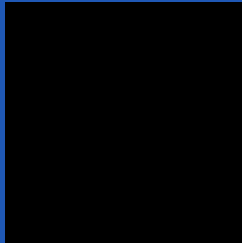
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 56.995, 287.128

Background



This preview shows how black text looks on a background with the CIELCh color 39, 56.995, 287.128.



This preview shows how white text looks on a background with the CIELCh color 39, 56.995, 287.128.

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, 56.980, 287.226

Protanopia

39, 56.980, 287.226

Deuteranopia

39, 43.846, 274.938



Tritanopia
39, 24.827, 205.203

Trichromacy



Original Color
39, 56.980, 287.226

Protanomaly
39, 56.980, 287.226

Deuteranomaly
39, 48.632, 280.000

Tritanomaly
38, 28.995, 252.268

Monochromacy



Original Color
39, 56.980, 287.226

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 21.962, 274.994

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 56.995, 287.128 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(31, 88, 181)` looks like.

```
.text, #text, p{  
    color:rgb(31, 88, 181)  
}
```

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(31, 88, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 88, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 56.995, 287.128 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(31, 88, 181) }
```

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

```
.border{ border-color:rgb(31, 88, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 88, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 88, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 88, 181);  
box-shadow:4px 4px 4px 4px rgb(31, 88,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 56.995, 287.128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 88, 181) }
```

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

```
.background{ background-color: rgb(31, 88,  
181) }
```

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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