

Converting Colors

CIELCh(39, 66.630, 25.557)

Have a look what the booklet for
CIELCh(39, 66.630, 25.557) contains.

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Color

CIELCh(39, 66.630, 25.557)

Conversions

Conversions Part 1

Format	Color
Hex	B51631
RGB	181, 22, 49
RGB Percent	71%, 9%, 19%
CMY	0.2894, 0.9124, 0.8073
CMYK	0.00, 0.88, 0.73, 0.29
HSL	350°, 78%, 40%
HSV	350°, 88%, 71%
XYZ	19.9566, 10.6589, 3.9277
YIQ	72.6190, 86.0970, 42.1050

Conversions

Conversions Part 2

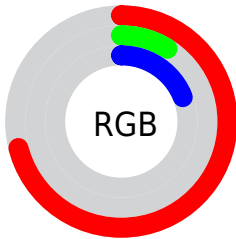
Format	Color
RYB	181, 22, 49
Decimal	11867697
CIELab	39.00, 60.11, 28.74
CIElCh	39, 66.630, 25.557
Yxy	10.6589, 0.5777, 0.3086
Android (android.graphics.Color)	4290057777 (0xFFB51631)
YUV	72.6190, -11.6442, 95.0501
Hunter-Lab	32.6480, 51.9765, 15.7208

Details

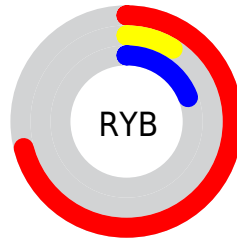
The CIELCh color **39, 66.630, 25.557** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **66, 44.102, 176.139**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 66.696, 25.676**, and **24, 57.159, 36.485** is the 20% darker color. If you saturate the color by 10%, you get **38, 72.092, 30.556**, and if you desaturate by 10%, it is **41, 60.345, 21.043**.

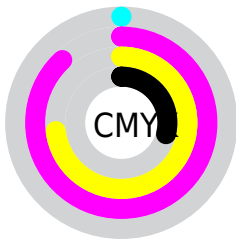
Distribution



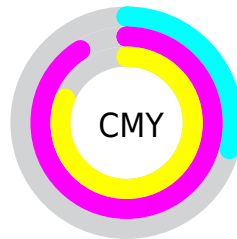
- Red (71%)
- Green (9%)
- Blue (19%)



- Red (71%)
- Yellow (9%)
- Blue (19%)



- Cyan (0%)
- Magenta (88%)
- Yellow (73%)
- Black (29%)



- Cyan (29%)
- Magenta (91%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 66.630, 25.557 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, 66.630, 25.557 by changing the saturation by 10% instead.

 39, 66.630, 25.557

 39, 66.630, 25.557

 100, 66.630,
25.557

 29, 66.630, 25.557

 59, 66.630, 25.557

 19, 66.630, 25.557

 69, 66.630, 25.557

 9, 66.630, 25.557

 79, 66.630, 25.557

 0, 66.630, 25.557

 89, 66.630, 25.557

 99, 66.630, 25.557

 39, 66.630, 25.557

 39, 66.630, 25.557

 38, 72.092, 30.556

 41, 60.345, 21.043

38, 73.358, 31.626

44, 53.209, 17.311

47, 45.400, 14.332

51, 37.207, 11.978

55, 28.925, 10.105

60, 20.783, 8.593

65, 12.935, 7.345

70, 5.460, 6.264

75, 1.610, 185.778

Harmonies

Complementary

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



39, 66.630, 25.557



66, 44.102, 176.139

Rectangle

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



39, 66.630, 25.557



39, 66.630, 75.557



39, 66.630, 205.557



39, 66.630, 255.557

Sweetspot

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



39, 66.627, 25.559



77, 24.020, 8.426



39, 87.196, 321.746



38, 16.402, 8.895



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, 66.627, 25.559



49, 89.830, 32.555



45, 64.236, 49.481



36, 4.097, 6.441



32, 65.114, 30.946



2, 10.833, 9.260

Inverse Universe

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



39, 66.627, 25.559



49, 89.830, 32.555



52, 36.004, 253.152



36, 4.097, 6.441



32, 65.114, 30.946



2, 10.833, 9.260

Previews

White Background



This preview shows how the CIELCh color 39, 66.630, 25.557 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, 66.630, 25.557 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, 66.630, 25.557

Background



This preview shows how black text looks on a background with the CIELCh color 39, 66.630, 25.557.

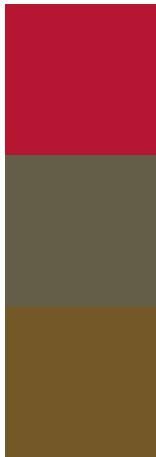


This preview shows how white text looks on a background with the CIELCh color 39, 66.630, 25.557.

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, 66.630, 25.557

Protanopia

40, 13.135, 94.056

Deuteranopia

40, 32.414, 80.819



Tritanopia
39, 71.786, 35.964

Trichromacy



Original Color
39, 66.630, 25.557

Protanomaly
36, 30.132, 27.826

Deuteranomaly
37, 41.272, 43.054

Tritanomaly
39, 69.854, 32.733

Monochromacy



Original Color
39, 66.630, 25.557

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 26.842, 13.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 66.630, 25.557 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(181, 22, 49)` looks like.

```
.text, #text, p{  
    color:rgb(181, 22, 49)  
}
```

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(181, 22, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 22, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 66.630, 25.557 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(181, 22, 49) }
```

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

```
.border{ border-color:rgb(181, 22, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 22, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 22, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 22, 49);  
box-shadow:4px 4px 4px 4px rgb(181, 22,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 66.630, 25.557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 22, 49) }
```

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

```
.background{ background-color: rgb(181, 22,  
49) }
```

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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