

Converting Colors

CIELCh(19, 36.669, 13.567)

Have a look what the booklet for
CIELCh(19, 36.669, 13.567) contains.

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Color

CIELCh(19, 36.588, 13.600)

Conversions

Conversions Part 1

Format	Color
Hex	5C0E23
RGB	92, 14, 35
RGB Percent	36%, 5%, 14%
CMY	0.6376, 0.9432, 0.8615
CMYK	0.00, 0.84, 0.62, 0.64
HSL	344°, 73%, 21%
HSV	344°, 84%, 36%
XYZ	4.9265, 2.7468, 1.8853
YIQ	39.7160, 39.7470, 23.0670

Conversions

Conversions Part 2

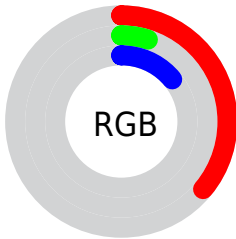
Format	Color
RYB	92, 14, 35
Decimal	6032931
CIELab	19.00, 35.56, 8.60
CIELCh	19, 36.588, 13.600
Yxy	2.7468, 0.5154, 0.2874
Android (android.graphics.Color)	4284223011 (0xFF5C0E23)
YUV	39.7160, -2.3250, 45.8531
Hunter-Lab	16.5735, 24.0552, 4.8569




Details

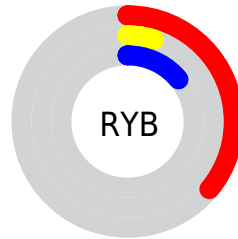
The CIELCh color **19, 36.588, 13.600** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **35, 28.631, 168.655**, and the grayscale version is **16, 0.003, 296.813**.




A 20% lighter version of the original color is **39, 36.964, 13.460**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **18, 39.604, 17.615**, and if you desaturate by 10%, it is **20, 33.100, 10.164**.

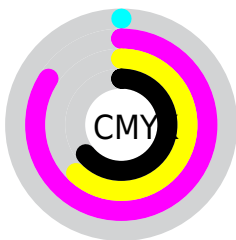
Distribution







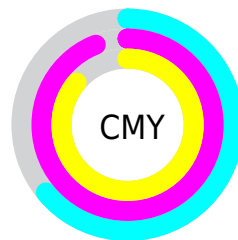
-  Red (36%)
-  Green (5%)
-  Blue (14%)






-  Red (36%)
-  Yellow (5%)
-  Blue (14%)



-  Cyan (0%)
-  Magenta (84%)
-  Yellow (62%)
-  Black (64%)



-  Cyan (64%)
-  Magenta (94%)
-  Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 36.588, 13.600 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 19, 36.588, 13.600 by changing the saturation by 10% instead.

■ 19, 36.588, 13.600

■ 19, 36.588, 13.600

■ 100, 36.588,
13.600

■ 9, 36.588, 13.600

■ 0, 36.588, 13.600

■ 39, 36.588, 13.600

■ 49, 36.588, 13.600

■ 59, 36.588, 13.600

■ 69, 36.588, 13.600

■ 79, 36.588, 13.600

■ 89, 36.588, 13.600

■ 99, 36.588, 13.600

19, 36.588, 13.600

19, 36.588, 13.600

18, 39.604, 17.615

20, 33.100, 10.164

17, 41.464, 19.689

22, 29.071, 7.400

24, 24.655, 5.176

27, 20.028, 3.368

29, 15.339, 1.872

32, 10.700, 0.610

35, 6.183, 359.519

38, 1.831, 358.480

41, 2.339, 177.933

Harmonies

Complementary

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



19, 36.588, 13.600



35, 28.631, 168.655

Rectangle

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



19, 36.588, 13.600



19, 36.588, 63.600



19, 36.588, 193.600



19, 36.588, 243.600

Sweetspot

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



19, 36.586, 13.602



41, 13.654, 0.781



18, 51.068, 318.735



20, 9.426, 1.064



77, 0.009, 296.813



26, 0.004, 296.813

Same Dimension

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



19, 36.586, 13.602



24, 50.311, 21.623



21, 36.886, 43.023



17, 2.377, 358.962



22, 47.065, 21.010



50, 84.973, 24.989

Inverse Universe

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



19, 36.586, 13.602



24, 50.311, 21.623



29, 19.523, 231.553



17, 2.377, 358.962



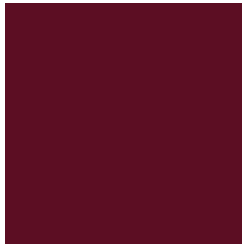
22, 47.065, 21.010



50, 84.973, 24.989

Previews

White Background



This preview shows how the CIE LCh color 19, 36.588, 13.600 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

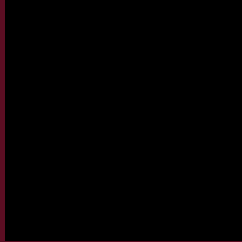
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 36.588, 13.600

Background



This preview shows how black text looks on a background with the CIELCh color 19, 36.588, 13.600.



This preview shows how white text looks on a background with the CIELCh color 19, 36.588, 13.600.

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

19, 36.588, 13.600

Protanopia

20, 1.447, 309.182

Deuteranopia

20, 11.510, 74.483



Tritanopia
19, 38.438, 31.600

Trichromacy



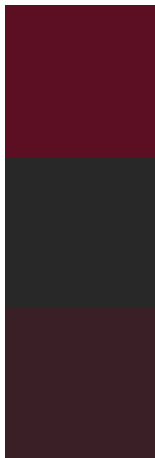
Original Color
19, 36.588, 13.600

Protanomaly
18, 15.211, 359.927

Deuteranomaly
19, 19.092, 28.117

Tritanomaly
19, 37.363, 25.129

Monochromacy



Original Color
19, 36.588, 13.600

Achromatopsia
16, 0.003, 296.813

Achromatomaly
16, 14.701, 4.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 36.588, 13.600 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(92, 14, 35)` looks like.

```
.text, #text, p{  
    color:rgb(92, 14, 35)  
}
```

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(92, 14, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 14, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 36.588, 13.600 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(92, 14, 35) }
```

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

```
.border{ border-color:rgb(92, 14, 35) }
```

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

Here you see how a box with a 4 pixel rgb(92, 14, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 14, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 14, 35);  
box-shadow:4px 4px 4px 4px rgb(92, 14, 35)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 36.588, 13.600 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 14, 35) }
```

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

```
.background{ background-color: rgb(92, 14,  
35) }
```

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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