

Converting Colors

CIELCh(19, 35.360, 37.476)

Have a look what the booklet for
CIELCh(19, 35.360, 37.476) contains.

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Color

CIELCh(19, 35.360, 37.476)

Conversions

Conversions Part 1

Format	Color
Hex	571910
RGB	87, 25, 16
RGB Percent	34%, 10%, 6%
CMY	0.6594, 0.9024, 0.9377
CMYK	0.00, 0.71, 0.82, 0.66
HSL	8°, 69%, 20%
HSV	8°, 82%, 34%
XYZ	4.3555, 2.7468, 0.7861
YIQ	42.5120, 39.8410, 10.3450

Conversions

Conversions Part 2

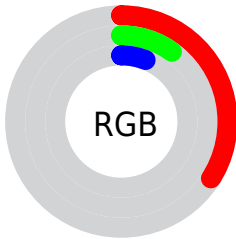
Format	Color
RYB	87, 26, 16
Decimal	5708048
CIELab	19.00, 28.06, 21.51
CIELCh	19, 35.360, 37.476
Yxy	2.7468, 0.5521, 0.3482
Android (android.graphics.Color)	4283898128 (0xFF571910)
YUV	42.5120, -13.0704, 39.0160
Hunter-Lab	16.5735, 17.9055, 8.7891

Details

The CIELCh color **19, 35.360, 37.476** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **30, 18.814, 215.060**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 35.682, 37.706**, and **4, 17.716, 18.101** is the 20% darker color. If you saturate the color by 10%, you get **18, 39.226, 37.535**, and if you desaturate by 10%, it is **21, 30.427, 36.059**.

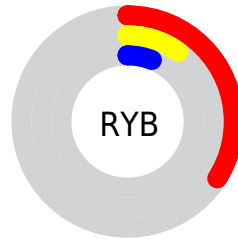
Distribution



Red (34%)

Green (10%)

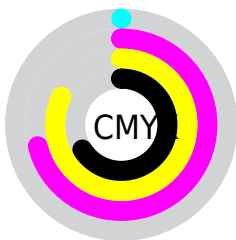
Blue (6%)



Red (34%)

Yellow (10%)

Blue (6%)

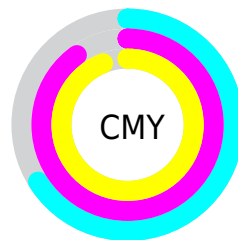


Cyan (0%)

Magenta (71%)

Yellow (82%)

Black (66%)



Cyan (66%)

Magenta (90%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 35.360, 37.476 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, 35.360, 37.476 by changing the saturation by 10% instead.

 19, 35.360, 37.476

 19, 35.360, 37.476

 100, 35.360,
37.476

 9, 35.360, 37.476

 39, 35.360, 37.476

 0, 35.360, 37.476

 49, 35.360, 37.476

 59, 35.360, 37.476

 69, 35.360, 37.476

 79, 35.360, 37.476

 89, 35.360, 37.476

 99, 35.360, 37.476

■ 19, 35.360, 37.476

■ 19, 35.360, 37.476

■ 18, 39.226, 37.535

■ 21, 30.427, 36.059

■ 17, 41.951, 37.884

■ 22, 25.431, 34.677

■ 25, 20.609, 33.590

■ 27, 16.034, 32.770

■ 29, 11.740, 32.175

■ 32, 7.737, 31.757

■ 34, 4.018, 31.460

■ 36, 0.567, 30.851

■ 39, 2.637, 211.440

Harmonies

Complementary

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



19, 35.360, 37.476



30, 18.814, 215.060

Rectangle

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



19, 35.360, 37.476



19, 35.360, 87.476



19, 35.360, 217.476



19, 35.360, 267.476

Sweetspot

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



19, 35.359, 37.479



40, 11.173, 31.910



20, 44.053, 332.164



18, 7.600, 31.996



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



19, 35.359, 37.479



23, 52.211, 40.013



27, 31.236, 76.285



16, 1.894, 31.379



22, 50.879, 39.903



50, 96.018, 41.409

Inverse Universe

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



30, 18.814, 215.060



38, 23.913, 218.207



18, 30.409, 284.343



17, 1.799, 211.423



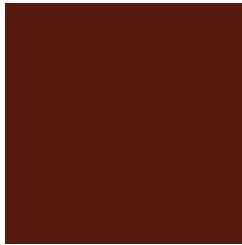
36, 23.261, 218.423



76, 41.188, 220.122

Previews

White Background



This preview shows how the CIE LCh color 19, 35.360, 37.476 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



This preview shows how the CIE LCh color 19, 35.360, 37.476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

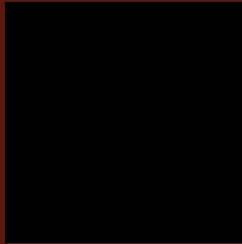
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 35.360, 37.476

Background



This preview shows how black text looks on a background with the CIELCh color 19, 35.360, 37.476.

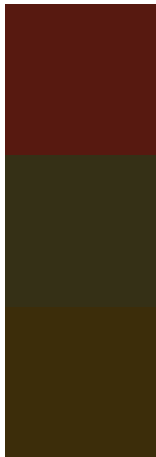


This preview shows how white text looks on a background with the CIELCh color 19, 35.360, 37.476.

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, 35.360, 37.476

Protanopia

20, 17.474, 96.993

Deuteranopia

19, 23.862, 83.836



Tritanopia
19, 33.006, 28.306

Trichromacy



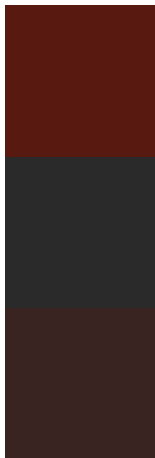
Original Color
19, 35.360, 37.476

Protanomaly
19, 20.065, 62.393

Deuteranomaly
19, 25.813, 60.788

Tritanomaly
19, 33.827, 31.416

Monochromacy



Original Color
19, 35.360, 37.476

Achromatopsia
17, 0.003, 296.813

Achromatomaly
17, 11.832, 32.089

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 35.360, 37.476 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, 25, 16)` looks like.

```
.text, #text, p{  
    color:rgb(87, 25, 16)  
}
```

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, 25, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 25, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 35.360, 37.476 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, 25, 16) }
```

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

```
.border{ border-color:rgb(87, 25, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 25, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 25, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 25, 16);  
box-shadow:4px 4px 4px 4px rgb(87, 25, 16)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 35.360, 37.476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 25, 16) }
```

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

```
.background{ background-color: rgb(87, 25,  
16) }
```

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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