

Converting Colors

CIELCh(18, 37.428, 358.892)

Have a look what the booklet for
CIELCh(18, 37.428, 358.892)
contains.

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Color

CIELCh(18, 37.428, 358.892)

Conversions

Conversions Part 1

Format	Color
Hex	59082E
RGB	89, 8, 46
RGB Percent	35%, 3%, 18%
CMY	0.6499, 0.9672, 0.8187
CMYK	0.00, 0.91, 0.48, 0.65
HSL	332°, 83%, 19%
HSV	332°, 91%, 35%
XYZ	4.7347, 2.5180, 2.8445
YIQ	36.5510, 36.0780, 28.9900

Conversions

Conversions Part 2

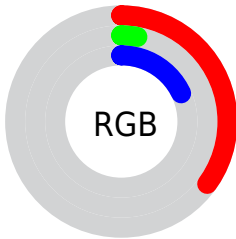
Format	Color
RYB	89, 8, 46
Decimal	5834798
CIELab	18.00, 37.42, -0.72
CIELCh	18, 37.428, 358.892
Yxy	2.5180, 0.4689, 0.2494
Android (android.graphics.Color)	4284024878 (0xFF59082E)
YUV	36.5510, 4.6584, 45.9978
Hunter-Lab	15.8683, 25.4897, 0.4796




Details

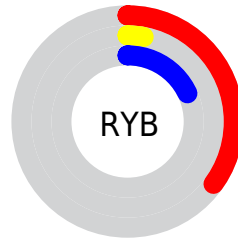
The CIELCh color **18, 37.428, 358.892** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 36.066, 154.247**, and the grayscale version is **15, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 37.581, 358.607**, and **4, 20.176, 18.348** is the 20% darker color. If you saturate the color by 10%, you get **17, 39.442, 1.502**, and if you desaturate by 10%, it is **19, 35.197, 356.116**.

Distribution







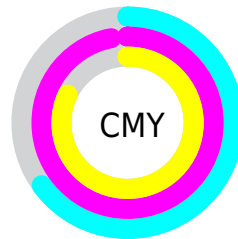
-  Red (35%)
-  Green (3%)
-  Blue (18%)






-  Red (35%)
-  Yellow (3%)
-  Blue (18%)



-  Cyan (0%)
-  Magenta (91%)
-  Yellow (48%)
-  Black (65%)





-  Cyan (65%)
-  Magenta (97%)
-  Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 37.428, 358.892 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 18, 37.428, 358.892 by changing the saturation by 10% instead.

 18, 37.428,
358.892


 18, 37.428,
358.892


 100, 37.428,
358.892


 8, 37.428, 358.892


 38, 37.428,
358.892

 0, 37.428, 358.892

 48, 37.428,
358.892


 58, 37.428,
358.892


 68, 37.428,
358.892


 78, 37.428,
358.892

 88, 37.428,


358.892


 98, 37.428,
358.892


 18, 37.428,
358.892


 18, 37.428,
358.892

 17, 39.442, 1.502

 19, 35.197,
356.116

 21, 32.107,
353.868

 23, 28.295,
352.038

 25, 23.969,
350.517

 27, 19.329,
349.226

■ 30, 14.538,
348.107

■ 32, 9.719, 347.116

■ 35, 4.953, 346.214

■ 38, 0.292, 344.667

Harmonies

Complementary

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



18, 37.428, 358.892



33, 36.066, 154.247

Rectangle

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



18, 37.428, 358.892



18, 37.428, 48.892



18, 37.428, 178.892



18, 37.428, 228.892

Sweetspot

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



18, 37.426, 358.893



40, 16.025, 347.826



13, 53.129, 312.971



19, 10.702, 348.029



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



18, 37.426, 358.893



24, 47.674, 3.081



17, 41.582, 33.755



17, 2.666, 346.059



22, 45.461, 2.720



51, 79.918, 5.890

Inverse Universe

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



18, 37.426, 358.893



24, 47.674, 3.081



33, 22.070, 198.760



17, 2.666, 346.059



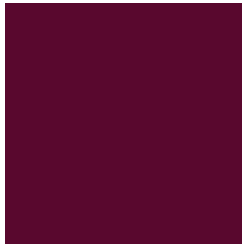
22, 45.461, 2.720



51, 79.918, 5.890

Previews

White Background



This preview shows how the CIE LCh color 18, 37.428, 358.892 looks on a white background.

Color Contrast Check

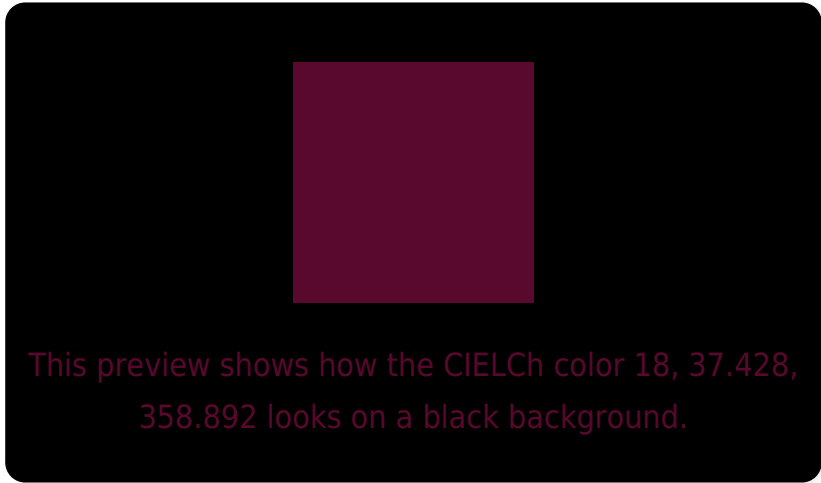
Large Text (above 18pt) WCAG AA ✓ Pass

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

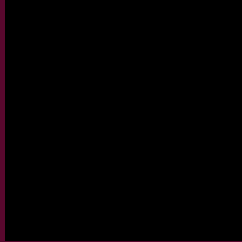
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 37.428, 358.892

Background



This preview shows how black text looks on a background with the CIELCh color 18, 37.428, 358.892.



This preview shows how white text looks on a background with the CIELCh color 18, 37.428, 358.892.

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

18, 37.428, 358.892

Protanopia

19, 13.758, 285.246

Deuteranopia

19, 4.162, 39.175



Tritanopia
18, 36.025, 30.825

Trichromacy



Original Color
18, 37.428, 358.892

Protanomaly
17, 21.772, 326.545

Deuteranomaly
17, 18.078, 357.969

Tritanomaly
18, 34.951, 18.358

Monochromacy



Original Color
18, 37.428, 358.892

Achromatopsia
15, 0.003, 296.813

Achromatomaly
14, 16.496, 351.386

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 37.428, 358.892 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(89, 8, 46)` looks like.

```
.text, #text, p{  
    color:rgb(89, 8, 46)  
}
```

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(89, 8, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 8, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 37.428, 358.892 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(89, 8, 46) }
```

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

```
.border{ border-color:rgb(89, 8, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 8, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 8, 46); -webkit-box-shadow:4px  
4px 4px 4px rgb(89, 8, 46); box-shadow:4px  
4px 4px 4px rgb(89, 8, 46) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 37.428, 358.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 8, 46) }
```

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

```
.background{ background-color: rgb(89, 8,  
46) }
```

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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