

Converting Colors

CIELCh(18, 38.183, 359.361)

Have a look what the booklet for
CIELCh(18, 38.183, 359.361)
contains.

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Color

CIELCh(18, 38.272, 359.019)

Conversions

Conversions Part 1

Format	Color
Hex	5A062E
RGB	90, 6, 46
RGB Percent	35%, 2%, 18%
CMY	0.6463, 0.9754, 0.8190
CMYK	0.00, 0.93, 0.49, 0.65
HSL	331°, 87%, 19%
HSV	331°, 93%, 35%
XYZ	4.8002, 2.5180, 2.8347
YIQ	35.6760, 37.2240, 30.2480

Conversions

Conversions Part 2

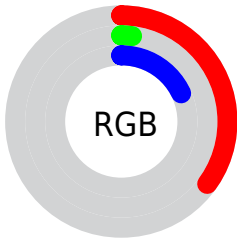
Format	Color
R_{YB}	90, 6, 46
Decimal	5899822
CIE Lab	18.00, 38.27, -0.66
CIE LCh	18, 38.272, 359.019
Yxy	2.5180, 0.4728, 0.2480
Android (android.graphics.Color)	4284089902 (0xFF5A062E)
YUV	35.6760, 5.0897, 47.6421
Hunter-Lab	15.8683, 26.2273, 0.5164

Details

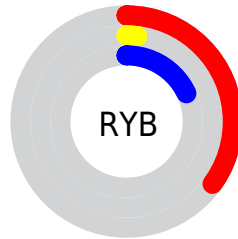
The CIELCh color **18, 38.272, 359.019** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 37.301, 153.380**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 38.440, 358.596**, and **4, 20.959, 18.495** is the 20% darker color. If you saturate the color by 10%, you get **17, 39.770, 0.911**, and if you desaturate by 10%, it is **19, 36.190, 356.198**.

Distribution



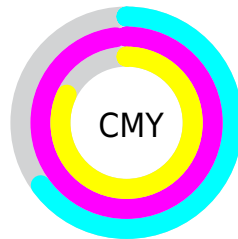
- Red (35%)
- Green (2%)
- Blue (18%)



- Red (35%)
- Yellow (2%)
- Blue (18%)



- Cyan (0%)
- Magenta (93%)
- Yellow (49%)
- Black (65%)





- Cyan (65%)
- Magenta (98%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 38.272, 359.019 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, 38.272, 359.019 by changing the saturation by 10% instead.

 18, 38.272,
359.019


 18, 38.272,
359.019


 100, 38.272,
359.019


 8, 38.272, 359.019


 38, 38.272,
359.019

 0, 38.272, 359.019

 48, 38.272,
359.019


 58, 38.272,
359.019


 68, 38.272,
359.019


 78, 38.272,
359.019

 88, 38.272,

359.019


 98, 38.272,
359.019

 18, 38.272,
359.019

 18, 38.272,
359.019


 17, 39.770, 0.911

 19, 36.190,
356.198

 21, 33.297,
353.864

 22, 29.619,
351.968

 24, 25.362,
350.400

 27, 20.734,
349.074

■ 29, 15.913,
347.928

■ 32, 11.032,
346.918

■ 35, 6.186, 346.005

■ 37, 1.433, 345.071

Harmonies

Complementary

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



18, 38.272, 359.019



33, 37.301, 153.380

Rectangle

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



18, 38.272, 359.019



18, 38.272, 49.019



18, 38.272, 179.019



18, 38.272, 229.019

Sweetspot

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



18, 38.270, 359.020



40, 16.703, 347.494



13, 54.589, 312.968



18, 11.431, 347.785



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, 38.270, 359.020



24, 47.720, 2.396



17, 42.768, 34.131



17, 2.680, 345.637



22, 45.508, 2.042



51, 79.942, 5.157

Inverse Universe

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



18, 38.270, 359.020



24, 47.720, 2.396



34, 22.422, 198.780



17, 2.680, 345.637



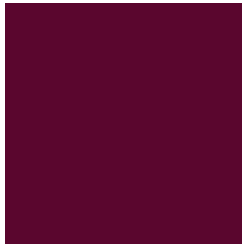
22, 45.508, 2.042



51, 79.942, 5.157

Previews

White Background



This preview shows how the CIE LCh color 18, 38.272, 359.019 looks on a white background.

Color Contrast Check

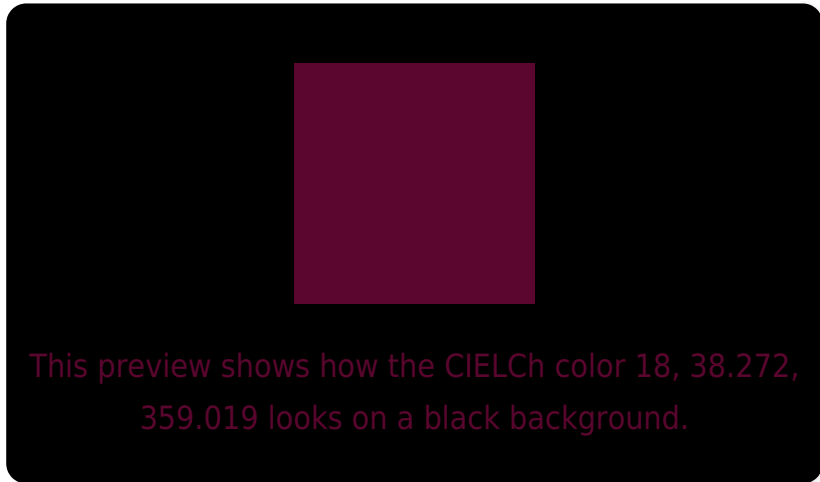
Large Text (above 18pt) WCAG AA ✓ Pass

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

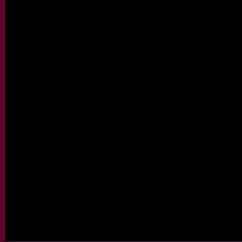
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 38.272, 359.019

Background



This preview shows how black text looks on a background with the CIELCh color 18, 38.272, 359.019.



This preview shows how white text looks on a background with the CIELCh color 18, 38.272, 359.019.

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, 38.272, 359.019

Protanopia

20, 13.098, 282.878

Deuteranopia

19, 4.461, 47.266



Tritanopia
19, 37.041, 31.255

Trichromacy



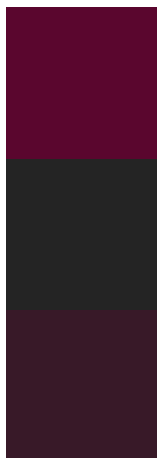
Original Color
18, 38.272, 359.019

Protanomaly
17, 21.772, 326.545

Deuteranomaly
17, 19.137, 357.767

Tritanomaly
18, 36.090, 18.897

Monochromacy



Original Color
18, 38.272, 359.019

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 17.902, 349.601

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 38.272, 359.019 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(90, 6, 46)` looks like.

```
.text, #text, p{  
    color:rgb(90, 6, 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(90, 6, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 6, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 38.272, 359.019 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(90, 6, 46) }
```

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

```
.border{ border-color:rgb(90, 6, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 6, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 6, 46); -webkit-box-shadow:4px  
4px 4px 4px rgb(90, 6, 46); box-shadow:4px  
4px 4px 4px rgb(90, 6, 46) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 38.272, 359.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 6, 46) }
```

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

```
.background{ background-color: rgb(90, 6,  
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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