

Converting Colors

CIELCh(18, 38.817, 23.082)

Have a look what the booklet for
CIELCh(18, 38.817, 23.082) contains.

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Color

CIELCh(18, 38.817, 23.082)

Conversions

Conversions Part 1

Format	Color
Hex	5B0A18
RGB	91, 10, 24
RGB Percent	36%, 4%, 9%
CMY	0.6426, 0.9601, 0.9055
CMYK	0.00, 0.89, 0.74, 0.64
HSL	350°, 80%, 20%
HSV	350°, 89%, 36%
XYZ	4.6037, 2.5180, 1.1128
YIQ	35.8150, 43.7820, 21.5260

Conversions

Conversions Part 2

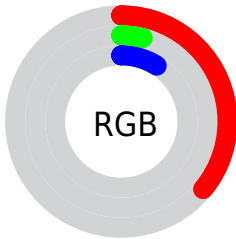
Format	Color
RYB	91, 10, 24
Decimal	5966360
CIELab	18.00, 35.71, 15.22
CIELCh	18, 38.817, 23.082
Yxy	2.5180, 0.5591, 0.3058
Android (android.graphics.Color)	4284156440 (0xFF5B0A18)
YUV	35.8150, -5.8248, 48.3972
Hunter-Lab	15.8683, 24.0171, 6.9500

Details

The CIELCh color **18, 38.817, 23.082** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **34, 26.329, 176.528**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 38.450, 22.893**, and **4, 19.370, 18.235** is the 20% darker color. If you saturate the color by 10%, you get **17, 42.432, 26.486**, and if you desaturate by 10%, it is **19, 35.041, 19.180**.

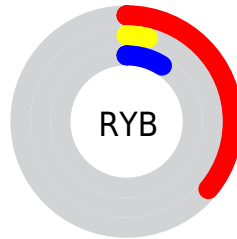
Distribution



Red (36%)

Green (4%)

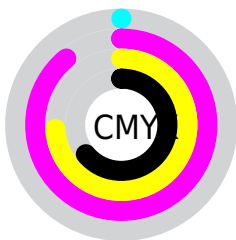
Blue (9%)



Red (36%)

Yellow (4%)

Blue (9%)

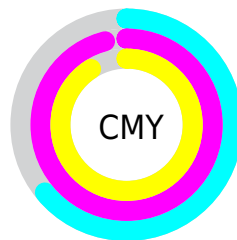


Cyan (0%)

Magenta (89%)

Yellow (74%)

Black (64%)



Cyan (64%)

Magenta (96%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 38.817, 23.082 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, 38.817, 23.082 by changing the saturation by 10% instead.

 18, 38.817, 23.082

 18, 38.817, 23.082

 100, 38.817,
23.082

 8, 38.817, 23.082

 38, 38.817, 23.082

 0, 38.817, 23.082

 48, 38.817, 23.082

 58, 38.817, 23.082

 68, 38.817, 23.082

 78, 38.817, 23.082

 88, 38.817, 23.082

 98, 38.817, 23.082

■ 18, 38.817, 23.082

■ 18, 38.817, 23.082

■ 17, 42.432, 26.486

■ 19, 35.041, 19.180

■ 17, 42.843, 26.722

■ 21, 30.836, 15.971

■ 23, 26.317, 13.385

■ 25, 21.634, 11.309

■ 28, 16.929, 9.627

■ 30, 12.311, 8.245

■ 33, 7.851, 7.088

■ 36, 3.589, 6.076

■ 39, 0.460, 185.965

Harmonies

Complementary

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



18, 38.817, 23.082



34, 26.329, 176.528

Rectangle

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



18, 38.817, 23.082



18, 38.817, 73.082



18, 38.817, 203.082



18, 38.817, 253.082

Sweetspot

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



18, 38.815, 23.084



40, 14.163, 8.120



18, 51.791, 321.842



18, 9.489, 8.368



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, 38.815, 23.084



23, 52.217, 29.135



22, 36.608, 49.363



17, 2.291, 6.077



21, 49.573, 28.670



50, 90.400, 32.372

Inverse Universe

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



18, 38.815, 23.084



23, 52.217, 29.135



26, 21.234, 251.055



17, 2.291, 6.077



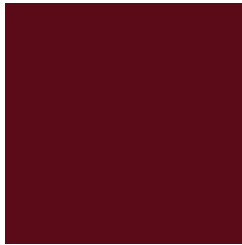
21, 49.573, 28.670



50, 90.400, 32.372

Previews

White Background



This preview shows how the CIELCh color 18, 38.817, 23.082 looks on a white background.

Color Contrast Check

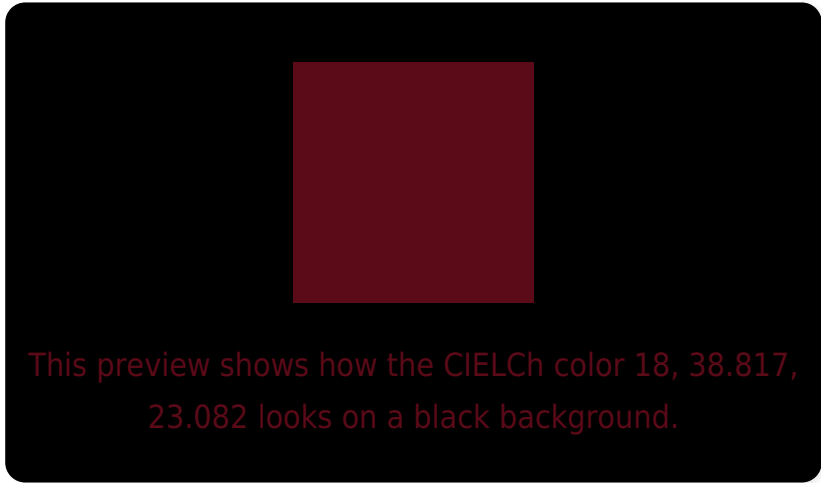
Large Text (above 18pt) WCAG AA ✓ Pass

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

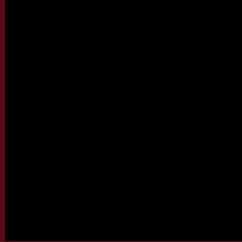
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 38.817, 23.082

Background



This preview shows how black text looks on a background with the CIELCh color 18, 38.817, 23.082.



This preview shows how white text looks on a background with the CIELCh color 18, 38.817, 23.082.

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, 38.817, 23.082

Protanopia

19, 8.285, 97.502

Deuteranopia

19, 18.956, 83.372



Tritanopia
18, 41.057, 33.433

Trichromacy



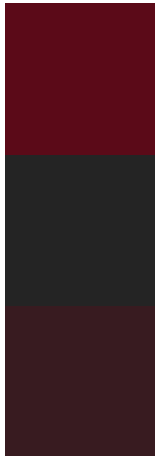
Original Color
18, 38.817, 23.082

Protanomaly
17, 16.754, 30.430

Deuteranomaly
17, 23.172, 42.571

Tritanomaly
18, 40.343, 30.582

Monochromacy



Original Color
18, 38.817, 23.082

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 15.272, 11.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 38.817, 23.082 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(91, 10, 24)` looks like.

```
.text, #text, p{  
    color:rgb(91, 10, 24)  
}
```

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(91, 10, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 10, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 38.817, 23.082 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(91, 10, 24) }
```

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

```
.border{ border-color:rgb(91, 10, 24) }
```

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

Here you see how a box with a 4 pixel rgb(91, 10, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 10, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 10, 24);  
box-shadow:4px 4px 4px 4px rgb(91, 10, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 38.817, 23.082 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 10, 24) }
```

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

```
.background{ background-color: rgb(91, 10,  
24) }
```

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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