

Converting Colors

CIELCh(18, 38.052, 14.721)

Have a look what the booklet for
CIELCh(18, 38.052, 14.721) contains.

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Color

CIELCh(18, 37.984, 14.439)

Conversions

Conversions Part 1

Format	Color
Hex	5B0820
RGB	91, 8, 32
RGB Percent	36%, 3%, 13%
CMY	0.6424, 0.9676, 0.8739
CMYK	0.00, 0.91, 0.65, 0.64
HSL	343°, 83%, 19%
HSV	343°, 91%, 36%
XYZ	4.6857, 2.5180, 1.6159
YIQ	35.5530, 41.7640, 25.0600

Conversions

Conversions Part 2

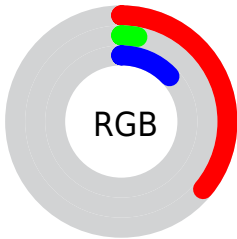
Format	Color
RYB	91, 8, 32
Decimal	5965856
CIELab	18.00, 36.78, 9.47
CIElCh	18, 37.984, 14.439
Yxy	2.5180, 0.5313, 0.2855
Android (android.graphics.Color)	4284155936 (0xFF5B0820)
YUV	35.5530, -1.7516, 48.6270
Hunter-Lab	15.8683, 24.9386, 5.0701

Details

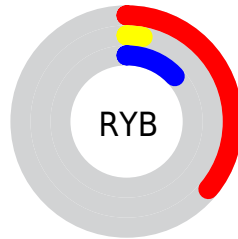
The CIELCh color **18, 37.984, 14.439** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **34, 30.277, 165.904**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 37.964, 14.197**, and **4, 20.176, 18.348** is the 20% darker color. If you saturate the color by 10%, you get **17, 40.740, 17.782**, and if you desaturate by 10%, it is **19, 35.029, 10.613**.

Distribution



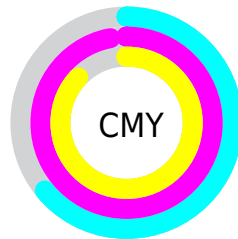
- Red (36%)
- Green (3%)
- Blue (13%)



- Red (36%)
- Yellow (3%)
- Blue (13%)



- Cyan (0%)
- Magenta (91%)
- Yellow (65%)
- Black (64%)



- Cyan (64%)
- Magenta (97%)
- Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 37.984, 14.439 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, 37.984, 14.439 by changing the saturation by 10% instead.

 18, 37.984, 14.439

 18, 37.984, 14.439

 100, 37.984,
14.439

 8, 37.984, 14.439

 38, 37.984, 14.439

 0, 37.984, 14.439

 48, 37.984, 14.439

 58, 37.984, 14.439

 68, 37.984, 14.439

 78, 37.984, 14.439

 88, 37.984, 14.439

 98, 37.984, 14.439

■ 18, 37.984, 14.439

■ 18, 37.984, 14.439

■ 17, 40.740, 17.782

■ 19, 35.029, 10.613

■ 21, 31.465, 7.497

■ 23, 27.383, 4.996

■ 25, 22.954, 2.973

■ 27, 18.349, 1.314

■ 30, 13.710,
359.927

■ 33, 9.135, 358.744

■ 36, 4.687, 357.703

■ 38, 0.401, 356.193

Harmonies

Complementary

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



18, 37.984, 14.439



34, 30.277, 165.904

Rectangle

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



18, 37.984, 14.439



18, 37.984, 64.439



18, 37.984, 194.439



18, 37.984, 244.439

Sweetspot

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



18, 37.982, 14.441



40, 14.649, 359.538



16, 52.966, 318.107



18, 9.800, 359.781



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, 37.982, 14.441



23, 49.049, 19.667



20, 39.448, 41.614



17, 2.401, 357.491



22, 46.648, 19.201



50, 83.983, 23.175

Inverse Universe

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



18, 37.982, 14.441



23, 49.049, 19.667



29, 19.860, 230.244



17, 2.401, 357.491



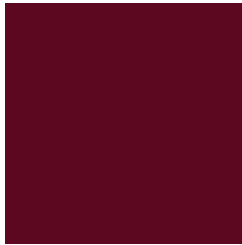
22, 46.648, 19.201



50, 83.983, 23.175

Previews

White Background



This preview shows how the CIELCh color 18, 37.984, 14.439 looks on a white background.

Color Contrast Check

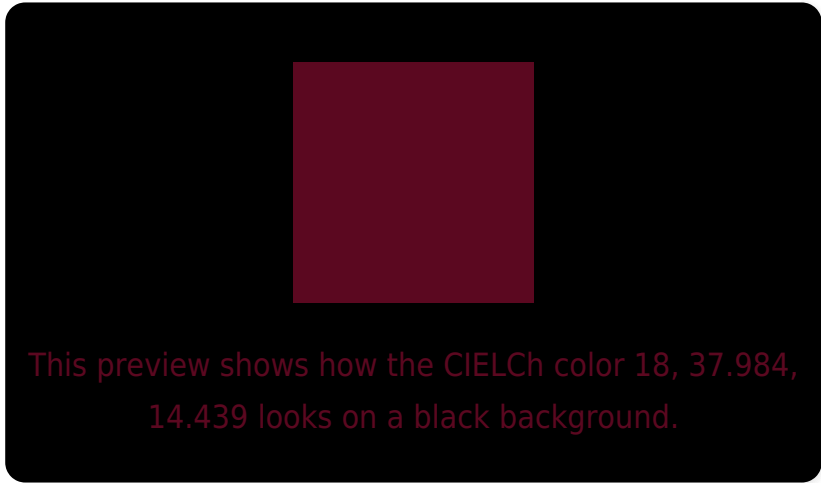
Large Text (above 18pt) WCAG AA ✓ Pass

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, 37.984, 14.439

Background



This preview shows how black text looks on a background with the CIELCh color 18, 37.984, 14.439.



This preview shows how white text looks on a background with the CIELCh color 18, 37.984, 14.439.

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, 37.984, 14.439

Protanopia

20, 0.471, 19.075

Deuteranopia

19, 13.329, 78.353



Tritanopia
18, 40.200, 33.132

Trichromacy



Original Color
18, 37.984, 14.439

Protanomaly
17, 16.237, 1.923

Deuteranomaly
17, 19.868, 28.426

Tritanomaly
18, 38.879, 26.975

Monochromacy



Original Color
18, 37.984, 14.439

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 16.120, 1.828

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 37.984, 14.439 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, 8, 32)` looks like.

```
.text, #text, p{  
    color:rgb(91, 8, 32)  
}
```

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, 8, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 8, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 37.984, 14.439 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, 8, 32) }
```

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

```
.border{ border-color:rgb(91, 8, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 8, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 8, 32); -webkit-box-shadow:4px  
4px 4px 4px rgb(91, 8, 32); box-shadow:4px  
4px 4px 4px rgb(91, 8, 32) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 37.984, 14.439 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 8, 32) }
```

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

```
.background{ background-color: rgb(91, 8,  
32) }
```

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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