

Converting Colors

CIELCh(18, 38.289, 356.810)

Have a look what the booklet for
CIELCh(18, 38.289, 356.810)
contains.

CIELCh(18, 38.234, 357.245)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(18, 38.234, 357.245)

Conversions

Conversions Part 1

Format	Color
Hex	5A0730
RGB	90, 7, 48
RGB Percent	35%, 3%, 19%
CMY	0.6480, 0.9738, 0.8126
CMYK	0.00, 0.93, 0.47, 0.65
HSL	330°, 86%, 19%
HSV	330°, 93%, 35%
XYZ	4.7943, 2.5180, 3.0077
YIQ	36.4910, 36.3070, 30.3470

Conversions

Conversions Part 2

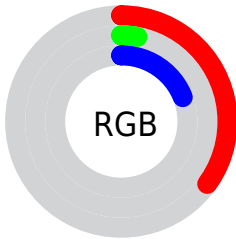
Format	Color
R _Y B	90, 7, 48
Decimal	5900080
CIE Lab	18.00, 38.19, -1.84
CIE LCh	18, 38.234, 357.245
Yxy	2.5180, 0.4646, 0.2440
Android (android.graphics.Color)	4284090160 (0xFF5A0730)
YUV	36.4910, 5.6739, 46.9274
Hunter-Lab	15.8683, 26.1602, -0.1302

Details

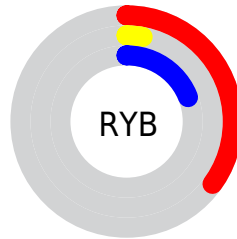
The CIELCh color **18, 38.234, 357.245** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **33, 37.751, 152.461**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 38.222, 357.256**, and **5, 21.720, 18.671** is the 20% darker color. If you saturate the color by 10%, you get **17, 39.798, 359.178**, and if you desaturate by 10%, it is **19, 36.172, 354.581**.

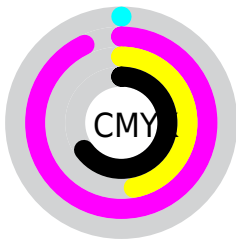
Distribution



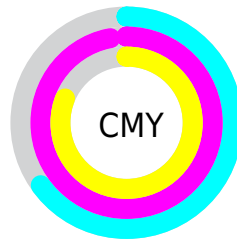
- Red (35%)
- Green (3%)
- Blue (19%)



- Red (35%)
- Yellow (3%)
- Blue (19%)



- Cyan (0%)
- Magenta (93%)
- Yellow (47%)
- Black (65%)





- Cyan (65%)
- Magenta (97%)
- Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 38.234, 357.245 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, 38.234, 357.245 by changing the saturation by 10% instead.

 18, 38.234,
357.245

 18, 38.234,
357.245

 100, 38.234,
357.245

 8, 38.234, 357.245


 38, 38.234,
357.245

 0, 38.234, 357.245

 48, 38.234,
357.245

 58, 38.234,
357.245


 68, 38.234,
357.245


 78, 38.234,
357.245


 88, 38.234,


357.245


 98, 38.234,
357.245


 18, 38.234,
357.245


 18, 38.234,
357.245


 17, 39.798,
359.178

 19, 36.172,
354.581

 21, 33.262,
352.386

 22, 29.561,
350.595

 24, 25.280,
349.105

 27, 20.627,
347.837

■ 29, 15.780,
346.735

■ 32, 10.871,
345.757

■ 35, 5.993, 344.870

■ 37, 1.205, 343.928

Harmonies

Complementary

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



18, 38.234, 357.245



33, 37.751, 152.461

Rectangle

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



18, 38.234, 357.245



18, 38.234, 47.245



18, 38.234, 177.245



18, 38.234, 227.245

Sweetspot

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



18, 38.232, 357.246



40, 16.900, 346.367



13, 54.294, 312.555



18, 11.564, 346.650



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, 38.232, 357.246



24, 47.877, 0.619



17, 42.650, 33.520



17, 2.715, 344.553



22, 45.667, 0.281



51, 80.074, 3.248

Inverse Universe

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



18, 38.232, 357.246



24, 47.877, 0.619



34, 22.780, 196.461



17, 2.715, 344.553



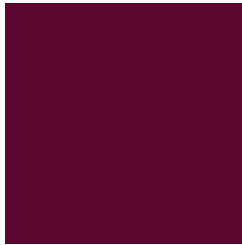
22, 45.667, 0.281



51, 80.074, 3.248

Previews

White Background



This preview shows how the CIE LCh color 18, 38.234, 357.245 looks on a white background.

Color Contrast Check

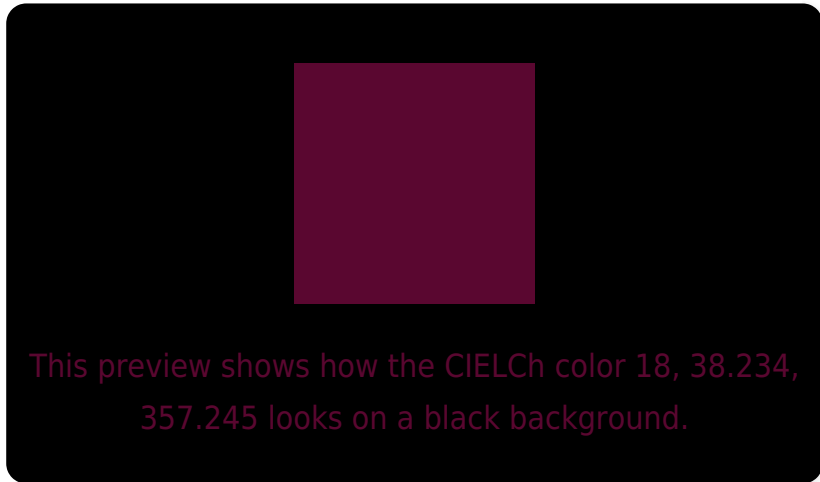
Large Text (above 18pt) WCAG AA ✓ Pass

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

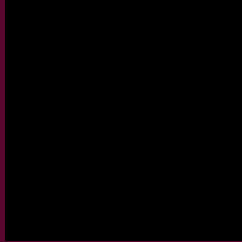
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 38.234, 357.245

Background



This preview shows how black text looks on a background with the CIELCh color 18, 38.234, 357.245.



This preview shows how white text looks on a background with the CIELCh color 18, 38.234, 357.245.

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, 38.234, 357.245

Protanopia

19, 15.139, 285.019

Deuteranopia

19, 3.962, 30.034



Tritanopia
18, 36.025, 30.825

Trichromacy



Original Color
18, 38.234, 357.245

Protanomaly
17, 22.692, 323.555

Deuteranomaly
17, 18.938, 354.955

Tritanomaly
18, 35.663, 18.248

Monochromacy



Original Color
18, 38.234, 357.245

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, 38.234, 357.245 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, 7, 48)` looks like.

```
.text, #text, p{  
    color:rgb(90, 7, 48)  
}
```

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, 7, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 7, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 38.234, 357.245 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, 7, 48) }
```

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

```
.border{ border-color:rgb(90, 7, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 7, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 7, 48); -webkit-box-shadow:4px  
4px 4px 4px rgb(90, 7, 48); box-shadow:4px  
4px 4px 4px rgb(90, 7, 48) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 38.234, 357.245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 7, 48) }
```

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

```
.background{ background-color: rgb(90, 7,  
48) }
```

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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