

Converting Colors

CIELCh(18, 34.078, 357.767)

Have a look what the booklet for
CIELCh(18, 34.078, 357.767)
contains.

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Color

CIELCh(18, 33.830, 357.529)

Conversions

Conversions Part 1

Format	Color
Hex	55102F
RGB	85, 16, 47
RGB Percent	33%, 6%, 18%
CMY	0.6662, 0.9367, 0.8153
CMYK	0.00, 0.81, 0.45, 0.67
HSL	333°, 68%, 20%
HSV	333°, 81%, 33%
XYZ	4.4605, 2.5180, 2.9515
YIQ	40.1650, 31.1730, 24.2690

Conversions

Conversions Part 2

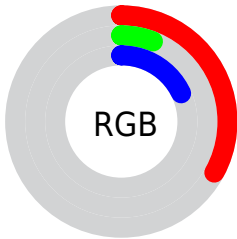
Format	Color
R_{YB}	85, 16, 47
Decimal	5574703
CIE Lab	18.00, 33.80, -1.46
CIE LCh	18, 33.830, 357.529
Yxy	2.5180, 0.4492, 0.2536
Android (android.graphics.Color)	4283764783 (0xFF55102F)
YUV	40.1650, 3.3697, 39.3203
Hunter-Lab	15.8683, 22.4052, 0.0799




Details

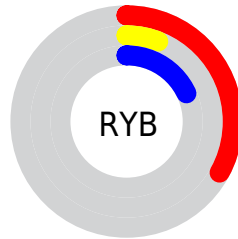
The CIELCh color **18, 33.830, 357.529** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **32, 31.531, 157.149**, and the grayscale version is **16, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 33.844, 357.375**, and **4, 17.716, 18.101** is the 20% darker color. If you saturate the color by 10%, you get **17, 36.057, 0.383**, and if you desaturate by 10%, it is **19, 30.828, 355.203**.

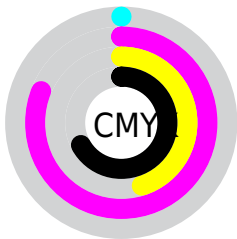
Distribution







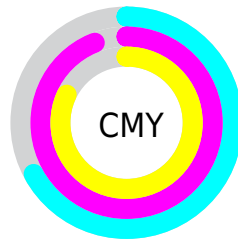
-  Red (33%)
-  Green (6%)
-  Blue (18%)






-  Red (33%)
-  Yellow (6%)
-  Blue (18%)



-  Cyan (0%)
-  Magenta (81%)
-  Yellow (45%)
-  Black (67%)



-  Cyan (67%)
-  Magenta (94%)
-  Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 33.830, 357.529 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, 33.830, 357.529 by changing the saturation by 10% instead.

■ 18, 33.830,
357.529

■ 18, 33.830,
357.529

■ 100, 33.830,
357.529

■ 8, 33.830, 357.529

■ 38, 33.830,
357.529

■ 0, 33.830, 357.529

■ 48, 33.830,
357.529


■ 58, 33.830,
357.529


■ 68, 33.830,
357.529


■ 78, 33.830,
357.529

■ 88, 33.830,


357.529

 98, 33.830,
357.529


 18, 33.830,
357.529


 18, 33.830,
357.529


 17, 36.057, 0.383


 19, 30.828,
355.203

 16, 38.086, 2.868

 21, 27.159,
353.310

 23, 23.013,
351.742

 26, 18.580,
350.416

 28, 14.012,
349.270

■ 31, 9.422, 348.259

■ 33, 4.887, 347.343

■ 36, 0.456, 346.081

■ 39, 3.846, 165.910

Harmonies

Complementary

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



18, 33.830, 357.529



32, 31.531, 157.149

Rectangle

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



18, 33.830, 357.529



18, 33.830, 47.529



18, 33.830, 177.529



18, 33.830, 227.529

Sweetspot

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



18, 33.828, 357.530



38, 13.293, 348.624



15, 46.971, 313.886



18, 9.222, 348.850



75, 0.009, 296.813



24, 0.004, 296.813

Same Dimension

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



18, 33.828, 357.530



22, 44.726, 3.468



18, 35.816, 33.542



16, 2.509, 347.144



21, 44.630, 4.327



50, 79.279, 7.736

Inverse Universe

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



18, 33.828, 357.530



22, 44.726, 3.468



31, 19.727, 203.208



16, 2.509, 347.144



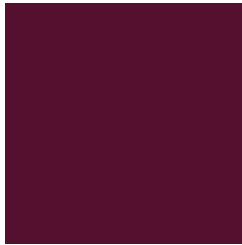
21, 44.630, 4.327



50, 79.279, 7.736

Previews

White Background



This preview shows how the CIELCh color 18, 33.830, 357.529 looks on a white background.

Color Contrast Check

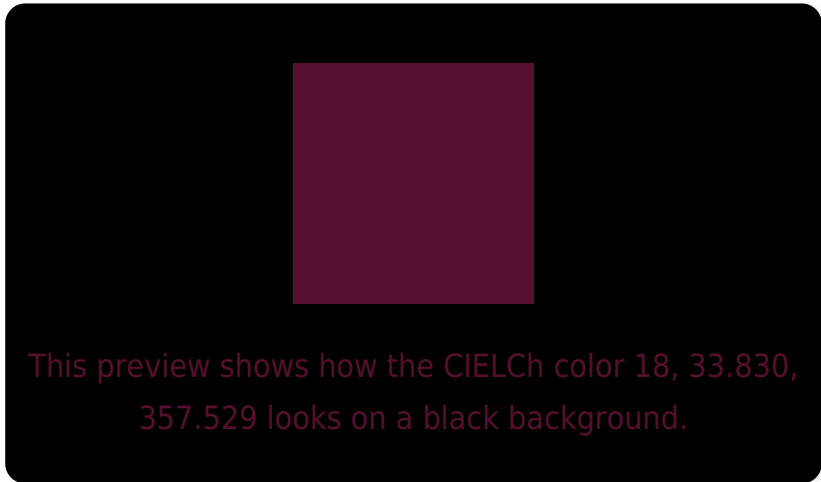
Large Text (above 18pt) WCAG AA ✓ Pass

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

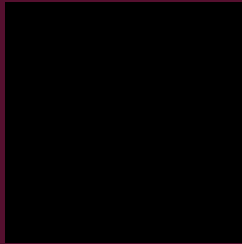
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 33.830, 357.529

Background



This preview shows how black text looks on a background with the CIELCh color 18, 33.830, 357.529.



This preview shows how white text looks on a background with the CIELCh color 18, 33.830, 357.529.

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, 33.830, 357.529

Protanopia

19, 13.130, 284.675

Deuteranopia

19, 2.989, 33.105



Tritanopia
18, 32.138, 28.227

Trichromacy



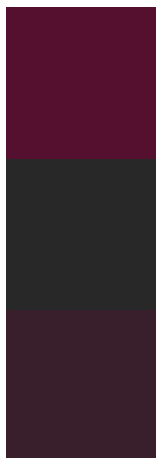
Original Color
18, 33.830, 357.529

Protanomaly
17, 18.302, 323.732

Deuteranomaly
18, 15.013, 356.594

Tritanomaly
18, 31.294, 17.389

Monochromacy



Original Color
18, 33.830, 357.529

Achromatopsia
16, 0.003, 296.813

Achromatomaly
15, 14.494, 348.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 33.830, 357.529 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(85, 16, 47)` looks like.

```
.text, #text, p{  
    color:rgb(85, 16, 47)  
}
```

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(85, 16, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 16, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 33.830, 357.529 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(85, 16, 47) }
```

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

```
.border{ border-color:rgb(85, 16, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 16, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 16, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 16, 47);  
box-shadow:4px 4px 4px 4px rgb(85, 16, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 33.830, 357.529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 16, 47) }
```

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

```
.background{ background-color: rgb(85, 16,  
47) }
```

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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