

Converting Colors

CIELCh(18, 32.199, 357.933)

Have a look what the booklet for
CIELCh(18, 32.199, 357.933)
contains.

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Color

CIELCh(18, 31.983, 357.335)

Conversions

Conversions Part 1

Format	Color
Hex	53132F
RGB	83, 19, 47
RGB Percent	33%, 7%, 18%
CMY	0.6741, 0.9251, 0.8154
CMYK	0.00, 0.77, 0.43, 0.67
HSL	334°, 63%, 20%
HSV	334°, 77%, 33%
XYZ	4.3246, 2.5180, 2.9557
YIQ	41.3280, 29.1560, 22.2760

Conversions

Conversions Part 2

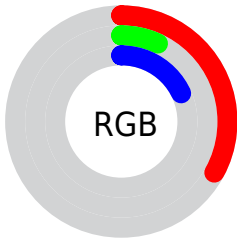
Format	Color
RYB	83, 19, 47
Decimal	5444399
CIELab	18.00, 31.95, -1.49
CIELCh	18, 31.983, 357.335
Yxy	2.5180, 0.4414, 0.2570
Android (android.graphics.Color)	4283634479 (0xFF53132F)
YUV	41.3280, 2.7963, 36.5463
Hunter-Lab	15.8683, 20.8768, 0.0642

Details

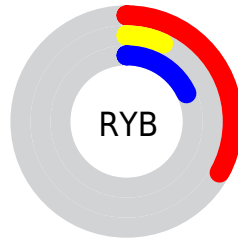
The CIELCh color **18, 31.983, 357.335** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **31, 29.451, 158.533**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 31.656, 357.029**, and **4, 16.910, 18.038** is the 20% darker color. If you saturate the color by 10%, you get **17, 34.500, 0.028**, and if you desaturate by 10%, it is **20, 28.728, 355.164**.

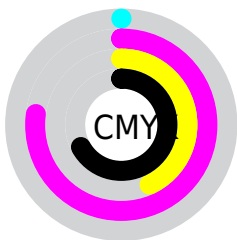
Distribution



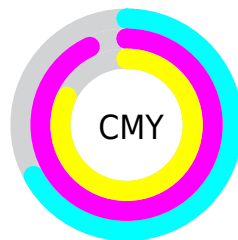
- Red (33%)
- Green (7%)
- Blue (18%)



- Red (33%)
- Yellow (7%)
- Blue (18%)



- Cyan (0%)
- Magenta (77%)
- Yellow (43%)
- Black (67%)





- Cyan (67%)
- Magenta (93%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 31.983, 357.335 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, 31.983, 357.335 by changing the saturation by 10% instead.

 18, 31.983,
357.335


 18, 31.983,
357.335


 100, 31.983,
357.335


 8, 31.983, 357.335


 38, 31.983,
357.335

 0, 31.983, 357.335

 48, 31.983,
357.335

 58, 31.983,
357.335

 68, 31.983,
357.335

 78, 31.983,
357.335

 88, 31.983,

357.335

98, 31.983,
357.335

18, 31.983,
357.335

18, 31.983,
357.335

17, 34.500, 0.028

20, 28.728,
355.164

16, 36.693, 2.930

21, 24.910,
353.386

15, 37.421, 3.724

24, 20.717,
351.904

26, 16.317,
350.641

28, 11.841,
349.542

■ 31, 7.384, 348.567

■ 33, 3.006, 347.659

■ 36, 1.256, 167.137

■ 39, 5.383, 166.288

Harmonies

Complementary

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



18, 31.983, 357.335



31, 29.451, 158.533

Rectangle

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



18, 31.983, 357.335



18, 31.983, 47.335



18, 31.983, 177.335



18, 31.983, 227.335

Sweetspot

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



18, 31.981, 357.336



38, 12.398, 349.214



15, 44.167, 313.836



17, 8.497, 349.432



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



18, 31.981, 357.336



22, 42.889, 2.660



18, 33.280, 32.741



15, 2.365, 347.813



21, 43.850, 5.248



50, 78.680, 8.849

Inverse Universe

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



18, 31.981, 357.336



22, 42.889, 2.660



31, 18.944, 203.069



15, 2.365, 347.813



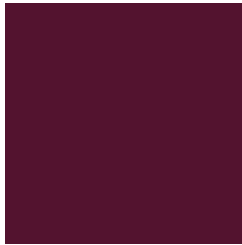
21, 43.850, 5.248



50, 78.680, 8.849

Previews

White Background



This preview shows how the CIELCh color 18, 31.983, 357.335 looks on a white background.

Color Contrast Check

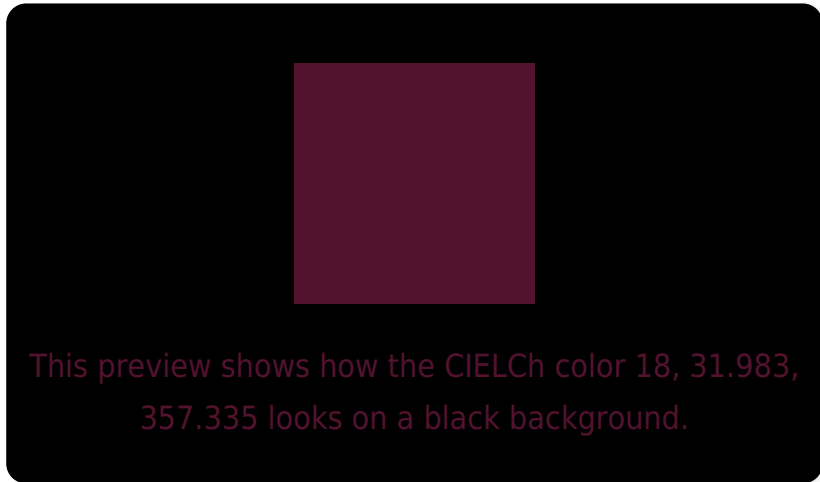
Large Text (above 18pt) WCAG AA ✓ Pass

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, 31.983, 357.335

Background



This preview shows how black text looks on a background with the CIELCh color 18, 31.983, 357.335.



This preview shows how white text looks on a background with the CIELCh color 18, 31.983, 357.335.

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, 31.983, 357.335

Protanopia

19, 12.414, 285.740

Deuteranopia

19, 3.395, 20.092



Tritanopia
18, 30.009, 27.224

Trichromacy



Original Color
18, 31.983, 357.335

Protanomaly
17, 16.939, 324.769

Deuteranomaly
18, 15.013, 356.594

Tritanomaly
18, 29.428, 15.454

Monochromacy



Original Color
18, 31.983, 357.335

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 13.015, 350.956

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 31.983, 357.335 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(83, 19, 47)` looks like.

```
.text, #text, p{  
    color:rgb(83, 19, 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(83, 19, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 19, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 31.983, 357.335 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(83, 19, 47) }
```

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

```
.border{ border-color:rgb(83, 19, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 19, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 19, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 19, 47);  
box-shadow:4px 4px 4px 4px rgb(83, 19, 47)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 31.983, 357.335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 19, 47) }
```

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

```
.background{ background-color: rgb(83, 19,  
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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