

Converting Colors

CIELCh(18, 19.354, 351.023)

Have a look what the booklet for
CIELCh(18, 19.354, 351.023)
contains.

CIELCh(18, 19.354, 351.023)	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, 19.354, 351.023)

Conversions

Conversions Part 1	
Format	Color
Hex	442131
RGB	68, 33, 49
RGB Percent	27%, 13%, 19%
CMY	0.7342, 0.8714, 0.8086
CMYK	0.00, 0.52, 0.28, 0.73
HSL	333°, 35%, 20%
HSV	333°, 52%, 27%
XYZ	3.4574, 2.5180, 3.1877
YIQ	45.2890, 15.7240, 12.3960

Conversions

Conversions Part 2

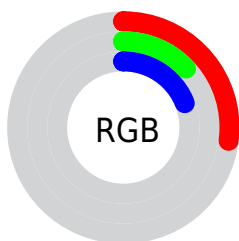
Format	Color
RYB	68, 33, 49
Decimal	4464945
CIELab	18.00, 19.12, -3.02
CIELCh	18, 19.354, 351.023
Yxy	2.5180, 0.3773, 0.2748
Android (android.graphics.Color)	4282655025 (0xFF442131)
YUV	45.2890, 1.8295, 19.9175
Hunter-Lab	15.8683, 11.1221, -0.8024

Details

The CIELCh color **18, 19.354, 351.023** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 18.121, 161.256**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 19.458, 350.466**, and **2, 7.827, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **16, 22.831, 352.477**, and if you desaturate by 10%, it is **20, 15.657, 349.783**.

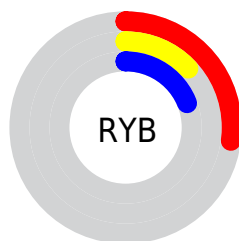
Distribution



Red (27%)

Green (13%)

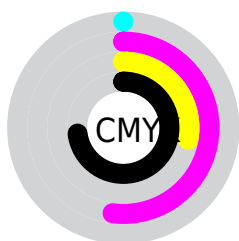
Blue (19%)



Red (27%)

Yellow (13%)

Blue (19%)

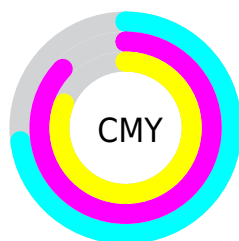


Cyan (0%)

Magenta (52%)

Yellow (28%)

Black (73%)



Cyan (73%)


Magenta (87%)


Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 19.354, 351.023 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, 19.354, 351.023 by changing the saturation by 10% instead.

 18, 19.354,
351.023


 18, 19.354,
351.023


 100, 19.354,
351.023


 8, 19.354, 351.023


 38, 19.354,
351.023

 0, 19.354, 351.023

 48, 19.354,
351.023


 58, 19.354,
351.023


 68, 19.354,
351.023


 78, 19.354,
351.023


 88, 19.354,


351.023


 98, 19.354,
351.023


 18, 19.354,
351.023


 18, 19.354,
351.023

 16, 22.831,
352.477


 20, 15.657,
349.783

 15, 25.948,
354.210

 22, 11.859,
348.701

 13, 28.553,
356.317

 24, 8.046, 347.740

 12, 30.731,
358.716

 26, 4.276, 346.864

 28, 0.585, 345.801

 11, 32.797, 0.464

 31, 3.003, 165.492

■ 33, 6.480, 164.806

■ 35, 9.842, 164.193

■ 37, 13.090,
163.628

Harmonies

Complementary

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



18, 19.354, 351.023



26, 18.121, 161.256

Rectangle

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



18, 19.354, 351.023



18, 19.354, 41.023



18, 19.354, 171.023



18, 19.354, 221.023

Sweetspot

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



18, 19.353, 351.024



34, 6.978, 347.210



17, 25.374, 312.421



16, 4.807, 347.297



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



18, 19.353, 351.024



22, 28.715, 352.974



18, 17.862, 26.463



12, 2.004, 346.597



19, 41.658, 2.955



48, 76.649, 6.761

Inverse Universe

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



18, 19.353, 351.024



22, 28.715, 352.974



26, 12.756, 200.856



12, 2.004, 346.597



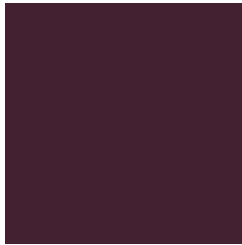
19, 41.658, 2.955



48, 76.649, 6.761

Previews

White Background



This preview shows how the CIELCh color 18, 19.354, 351.023 looks on a white background.

Color Contrast Check

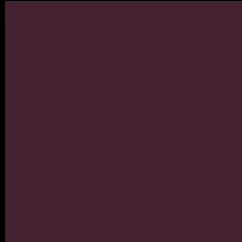
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 18, 19.354, 351.023 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

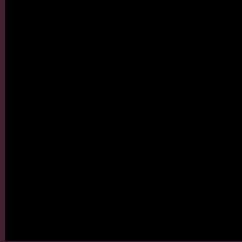
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 19.354, 351.023

Background



This preview shows how black text looks on a background with the CIELCh color 18, 19.354, 351.023.



This preview shows how white text looks on a background with the CIELCh color 18, 19.354, 351.023.

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, 19.354, 351.023

Protanopia

18, 8.300, 286.321

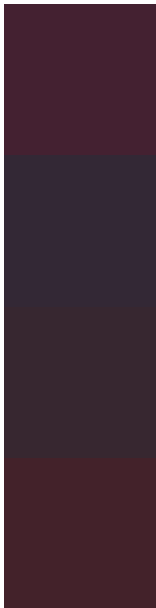
Deuteranopia

18, 3.643, 331.030



Tritanopia
18, 16.348, 16.667

Trichromacy



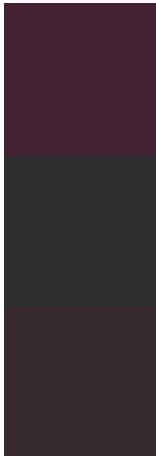
Original Color
18, 19.354, 351.023

Protanomaly
18, 10.312, 321.118

Deuteranomaly
18, 9.763, 342.498

Tritanomaly
18, 16.986, 5.652

Monochromacy



Original Color
18, 19.354, 351.023

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 6.698, 350.189

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 19.354, 351.023 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(68, 33, 49)` looks like.

```
.text, #text, p{  
    color:rgb(68, 33, 49)  
}
```

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(68, 33, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 33, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 19.354, 351.023 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(68, 33, 49) }
```

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

```
.border{ border-color:rgb(68, 33, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 33, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 33, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 33, 49);  
box-shadow:4px 4px 4px 4px rgb(68, 33, 49)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 19.354, 351.023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 33, 49) }
```

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

```
.background{ background-color: rgb(68, 33,  
49) }
```

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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