

Converting Colors

CIELCh(18, 21.299, 348.754)

Have a look what the booklet for
CIELCh(18, 21.299, 348.754)
contains.

CIELCh(18, 21.344, 348.842)	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, 21.344, 348.842)

Conversions

Conversions Part 1

Format	Color
Hex	451F32
RGB	69, 31, 50
RGB Percent	27%, 12%, 20%
CMY	0.7276, 0.8768, 0.8023
CMYK	0.00, 0.55, 0.27, 0.73
HSL	330°, 38%, 20%
HSV	330°, 55%, 27%
XYZ	3.5728, 2.5180, 3.3631
YIQ	44.5280, 16.5490, 13.9650

Conversions

Conversions Part 2

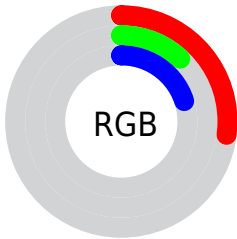
Format	Color
R_{YB}	69, 31, 50
Decimal	4529970
CIE _{Lab}	18.00, 20.94, -4.13
CIE _{LCh}	18, 21.344, 348.842
Yxy	2.5180, 0.3779, 0.2663
Android (android.graphics.Color)	4282720050 (0xFF451F32)
YUV	44.5280, 2.6977, 21.4619
Hunter-Lab	15.8683, 12.4205, -1.4578




Details

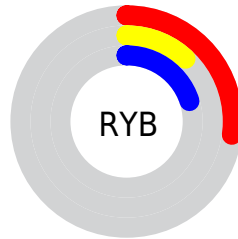
The CIELCh color **18, 21.344, 348.842** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 20.229, 158.603**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 21.750, 349.017**, and **2, 8.359, 16.640** is the 20% darker color. If you saturate the color by 10%, you get **16, 24.809, 350.261**, and if you desaturate by 10%, it is **20, 17.583, 347.628**.

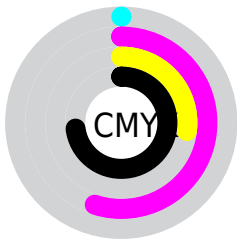
Distribution







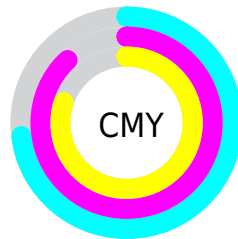
-  Red (27%)
-  Green (12%)
-  Blue (20%)






-  Red (27%)
-  Yellow (12%)
-  Blue (20%)



-  Cyan (0%)
-  Magenta (55%)
-  Yellow (27%)
-  Black (73%)





-  Cyan (73%)
-  Magenta (88%)
-  Yellow (80%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 21.344, 348.842 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, 21.344, 348.842 by changing the saturation by 10% instead.

 18, 21.344,
348.842

 18, 21.344,
348.842

 100, 21.344,
348.842

 8, 21.344, 348.842


 38, 21.344,
348.842

 0, 21.344, 348.842

 48, 21.344,
348.842


 58, 21.344,
348.842


 68, 21.344,
348.842


 78, 21.344,
348.842


 88, 21.344,


348.842


 98, 21.344,
348.842


 18, 21.344,
348.842


 18, 21.344,
348.842

 16, 24.809,
350.261


 20, 17.583,
347.628

 15, 27.826,
351.951

 22, 13.663,
346.566


 14, 30.234,
354.003

 24, 9.687, 345.621

 13, 32.380,
356.165

 26, 5.726, 344.761

 28, 1.828, 343.921

 12, 33.649,
357.160

 31, 1.977, 163.416

■ 33, 5.674, 162.701

■ 35, 9.257, 162.084

■ 38, 12.724,
161.515

Harmonies

Complementary

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



18, 21.344, 348.842



26, 20.229, 158.603

Rectangle

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



18, 21.344, 348.842



18, 21.344, 38.842



18, 21.344, 168.842



18, 21.344, 218.842

Sweetspot

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



18, 21.343, 348.843



34, 7.656, 344.916



16, 27.428, 311.533



16, 5.217, 344.989



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, 21.343, 348.843



22, 30.841, 350.865



17, 20.063, 24.847



13, 2.197, 344.257



20, 42.725, 359.362



49, 77.520, 2.684

Inverse Universe

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



18, 21.343, 348.843



22, 30.841, 350.865



27, 14.088, 197.214



13, 2.197, 344.257



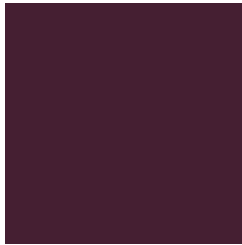
20, 42.725, 359.362



49, 77.520, 2.684

Previews

White Background



This preview shows how the CIELCh color 18, 21.344, 348.842 looks on a white background.

Color Contrast Check

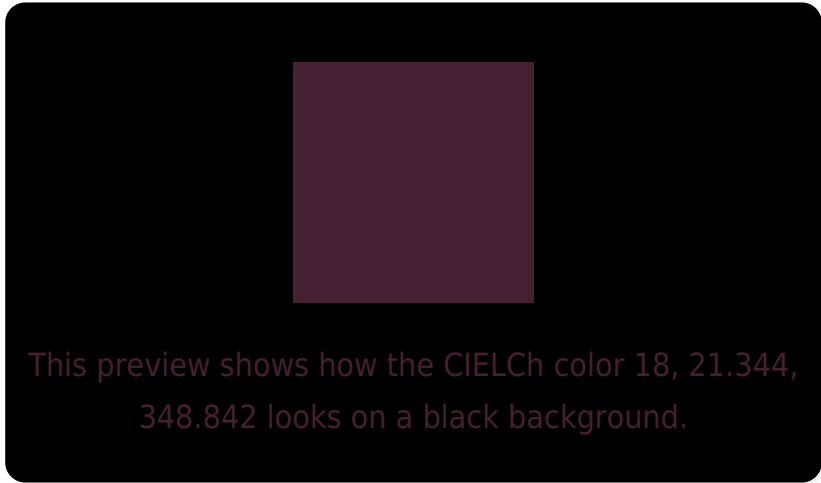
Large Text (above 18pt) WCAG AA ✓ Pass

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

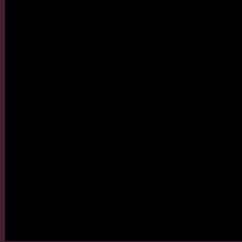
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 21.344, 348.842

Background



This preview shows how black text looks on a background with the CIELCh color 18, 21.344, 348.842.



This preview shows how white text looks on a background with the CIELCh color 18, 21.344, 348.842.

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, 21.344, 348.842

Protanopia

18, 10.380, 285.851

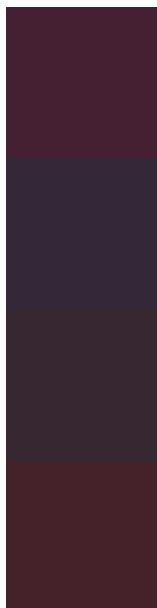
Deuteranopia

18, 3.106, 317.563



Tritanopia
18, 17.424, 17.478

Trichromacy



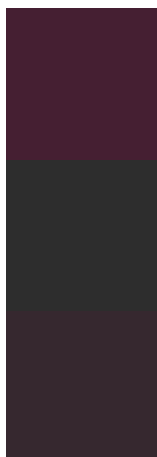
Original Color
18, 21.344, 348.842

Protanomaly
18, 12.953, 317.023

Deuteranomaly
18, 10.177, 339.403

Tritanomaly
18, 18.503, 5.631

Monochromacy



Original Color
18, 21.344, 348.842

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 8.217, 345.588

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 21.344, 348.842 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(69, 31, 50)` looks like.

```
.text, #text, p{  
    color:rgb(69, 31, 50)  
}
```

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(69, 31, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 31, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 21.344, 348.842 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(69, 31, 50) }
```

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

```
.border{ border-color:rgb(69, 31, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 31, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 31, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 31, 50);  
box-shadow:4px 4px 4px 4px rgb(69, 31, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 21.344, 348.842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 31, 50) }
```

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

```
.background{ background-color: rgb(69, 31,  
50) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor