

Converting Colors

CIELCh(16, 7.111, 20.695)

Have a look what the booklet for
CIELCh(16, 7.111, 20.695) contains.

CIELCh(16, 7.134, 21.159)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(16, 7.134, 21.159)

Conversions

Conversions Part 1

Format	Color
Hex	322424
RGB	50, 36, 36
RGB Percent	20%, 14%, 14%
CMY	0.8025, 0.8575, 0.8575
CMYK	0.00, 0.28, 0.28, 0.80
HSL	0°, 16%, 17%
HSV	0°, 28%, 20%
XYZ	2.2982, 2.0993, 1.9804
YIQ	40.1860, 8.3440, 2.9680

Conversions

Conversions Part 2

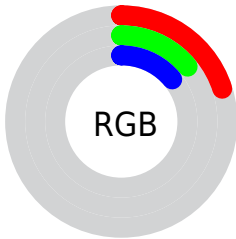
Format	Color
R _Y B	50, 36, 36
Decimal	3286052
CIE Lab	16.00, 6.65, 2.58
CIE LCh	16, 7.134, 21.159
Yxy	2.0993, 0.3603, 0.3292
Android (android.graphics.Color)	4281476132 (0xFF322424)
YUV	40.1860, -2.0637, 8.6069
Hunter-Lab	14.4890, 2.9575, 2.0382

Details

The CIELCh color **16, 7.134, 21.159** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 6.112, 198.258**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 7.139, 25.343**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **14, 10.005, 22.119**, and if you desaturate by 10%, it is **18, 4.425, 20.389**.

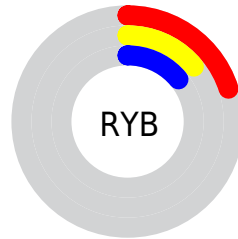
Distribution



Red (20%)

Green (14%)

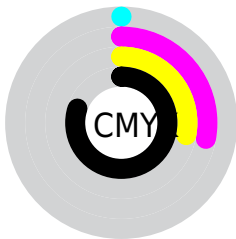
Blue (14%)



Red (20%)

Yellow (14%)

Blue (14%)

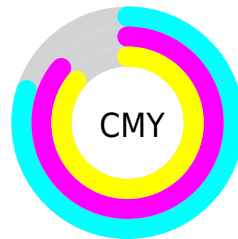


Cyan (0%)

Magenta (28%)

Yellow (28%)

Black (80%)



Cyan (80%)

Magenta (86%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 7.134, 21.159 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 16, 7.134, 21.159 by changing the saturation by 10% instead.

 16, 7.134, 21.159  16, 7.134, 21.159

 100, 7.134, 21.159  6, 7.134, 21.159

 36, 7.134, 21.159  0, 7.134, 21.159

 46, 7.134, 21.159

 56, 7.134, 21.159

 66, 7.134, 21.159

 76, 7.134, 21.159

 86, 7.134, 21.159

 96, 7.134, 21.159

 16, 7.134, 21.159  16, 7.134, 21.159

■ 14, 10.005, 22.119

■ 18, 4.425, 20.389

■ 13, 13.025, 23.307

■ 20, 1.882, 19.714

■ 11, 16.149, 24.666

■ 21, 0.500, 199.753

■ 10, 19.069, 24.721

■ 23, 2.732, 199.003

■ 9, 21.635, 23.873

■ 25, 4.824, 198.635

■ 8, 23.958, 22.713

■ 27, 6.790, 198.345

■ 6, 26.241, 21.730

■ 29, 8.642, 198.107

■ 6, 26.722, 21.550

■ 31, 10.392,
197.907

■ 32, 12.052,
197.739

Harmonies

Complementary

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



16, 7.134, 21.159



20, 6.112, 198.258

Rectangle

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



16, 7.134, 21.159



16, 7.134, 71.159



16, 7.134, 201.159



16, 7.134, 251.159

Sweetspot

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



16, 7.133, 21.165



26, 2.423, 19.755



17, 11.707, 325.701



12, 1.687, 19.792



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

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



16, 7.133, 21.165



21, 10.886, 21.809



18, 6.017, 72.538



8, 1.340, 19.540



16, 44.927, 34.021



45, 92.498, 40.002

Inverse Universe

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



20, 6.112, 198.258



26, 8.933, 197.989



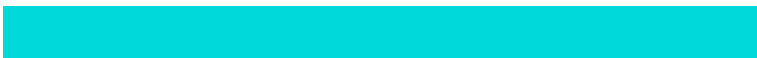
17, 5.653, 258.854



9, 1.285, 199.157



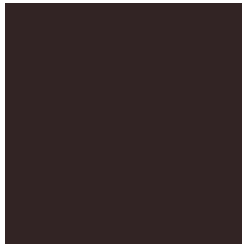
34, 23.292, 196.417



79, 44.315, 196.419

Previews

White Background



This preview shows how the CIELCh color 16, 7.134, 21.159 looks on a white background.

Color Contrast Check

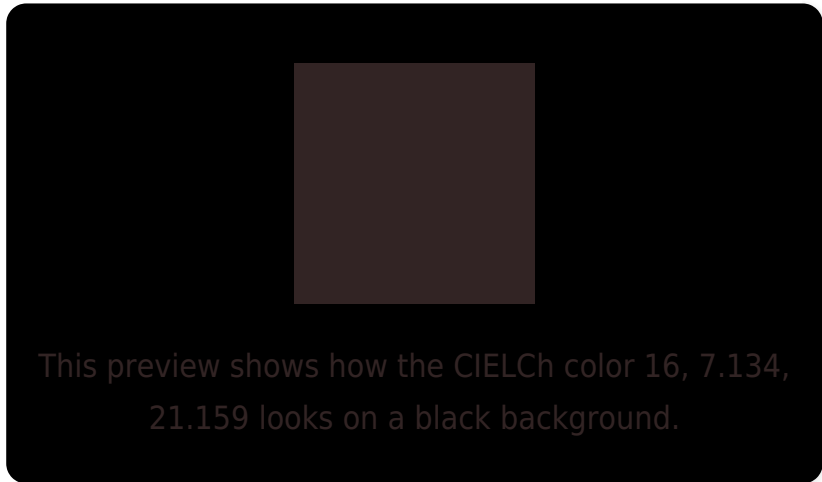
Large Text (above 18pt) WCAG AA ✓ Pass

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

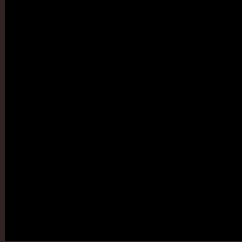
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 7.134, 21.159

Background



This preview shows how black text looks on a background with the CIELCh color 16, 7.134, 21.159.

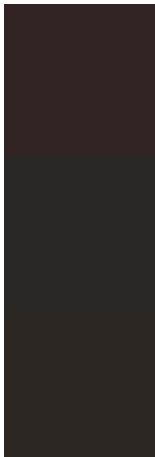


This preview shows how white text looks on a background with the CIELCh color 16, 7.134, 21.159.

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

16, 7.134, 21.159

Protanopia

16, 1.474, 90.355

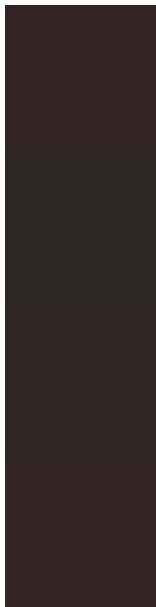
Deuteranopia

16, 3.685, 54.393



Tritanopia
16, 7.747, 5.844

Trichromacy



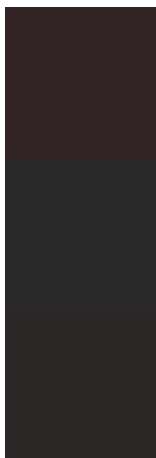
Original Color
16, 7.134, 21.159

Protanomaly
16, 2.859, 48.985

Deuteranomaly
16, 4.782, 37.249

Tritanomaly
16, 7.651, 10.936

Monochromacy



Original Color
16, 7.134, 21.159

Achromatopsia
17, 0.003, 296.813

Achromatomaly
16, 2.458, 19.910

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 7.134, 21.159 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(50, 36, 36)` looks like.

```
.text, #text, p{  
    color:rgb(50, 36, 36)  
}
```

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(50, 36, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 36, 36) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 7.134, 21.159 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(50, 36, 36) }
```

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

```
.border{ border-color:rgb(50, 36, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 36, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 36, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 36, 36);  
box-shadow:4px 4px 4px 4px rgb(50, 36, 36)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 7.134, 21.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 36, 36) }
```

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

```
.background{ background-color: rgb(50, 36,  
36) }
```

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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