

Converting Colors

CIELCh(16, 11.047, 136.968)

Have a look what the booklet for
CIELCh(16, 11.047, 136.968)
contains.

CIELCh(16, 11.176, 137.056)	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(16, 11.176, 137.056)

Conversions

Conversions Part 1

Format	Color
Hex	202B1D
RGB	32, 43, 29
RGB Percent	13%, 17%, 11%
CMY	0.8755, 0.8324, 0.8872
CMYK	0.26, 0.00, 0.33, 0.83
HSL	107°, 20%, 14%
HSV	107°, 33%, 17%
XYZ	1.6609, 2.0993, 1.4640
YIQ	38.1150, -2.0620, -6.6860

Conversions

Conversions Part 2

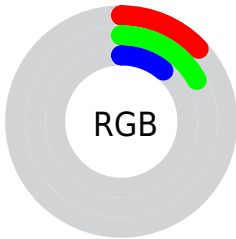
Format	Color
RYB	29, 43, 40
Decimal	2108189
CIELab	16.00, -8.18, 7.61
CIELCh	16, 11.176, 137.056
Yxy	2.0993, 0.3179, 0.4018
Android (android.graphics.Color)	4280298269 (0xFF202B1D)
YUV	38.1150, -4.4937, -5.3629
Hunter-Lab	14.4890, -4.8936, 4.1513

Details

The CIELCh color **16, 11.176, 137.056** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **13, 11.324, 319.541**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 10.689, 138.066**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 14.565, 136.563**, and if you desaturate by 10%, it is **16, 7.755, 137.515**.

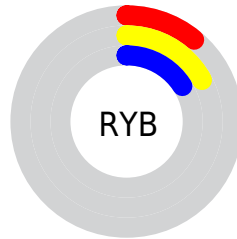
Distribution



Red (13%)

Green (17%)

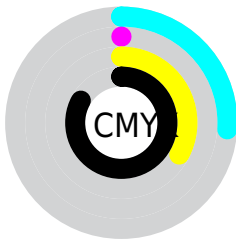
Blue (11%)



Red (11%)

Yellow (17%)

Blue (16%)

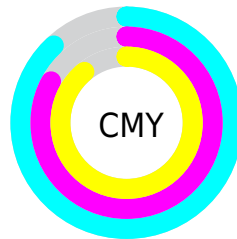


Cyan (26%)

Magenta (0%)

Yellow (33%)

Black (83%)



Cyan (88%)

Magenta (83%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 11.176, 137.056 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, 11.176, 137.056 by changing the saturation by 10% instead.

■ 16, 11.176,
137.056

■ 16, 11.176,
137.056

■ 100, 11.176,
137.056

■ 6, 11.176, 137.056

■ 36, 11.176,
137.056

■ 0, 11.176, 137.056

■ 46, 11.176,
137.056


■ 56, 11.176,
137.056


■ 66, 11.176,
137.056


■ 76, 11.176,
137.056


■ 86, 11.176,

137.056


 96, 11.176,
137.056

 16, 11.176,
137.056

 16, 11.176,
137.056


 16, 14.565,
136.563

 16, 7.755, 137.515


 15, 17.883,
136.042

 17, 4.329, 137.937

 17, 0.921, 138.371


 15, 20.966,
135.838

 18, 2.453, 318.599

 15, 23.637,
136.143

 18, 5.779, 318.912

 19, 9.050, 319.179

 15, 25.967,
136.635

 19, 12.258,

■ 14, 28.235,
136.917

319.412

■ 14, 29.860,
136.999

■ 20, 15.401,
319.617

■ 21, 18.475,
319.796

Harmonies

Complementary

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



16, 11.176, 137.056



13, 11.324, 319.541

Rectangle

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



16, 11.176, 137.056



16, 11.176, 187.056



16, 11.176, 317.056



16, 11.176, 7.056

Sweetspot

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



16, 11.177, 137.057



23, 4.276, 138.022



16, 7.789, 96.283



10, 2.841, 138.022



64, 0.008, 296.813



10, 0.003, 296.813

Same Dimension

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



16, 11.177, 137.057



22, 16.735, 136.628



16, 9.768, 151.579



6, 1.491, 138.630



31, 51.789, 133.584



74, 102.066, 134.569

Inverse Universe

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



13, 11.324, 319.541



16, 17.008, 319.845



13, 9.854, 335.458



6, 1.488, 318.145



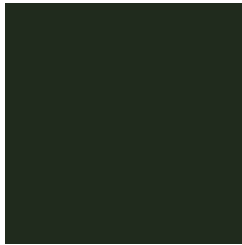
14, 52.558, 320.795



43, 102.571, 320.147

Previews

White Background



This preview shows how the CIELCh color 16, 11.176, 137.056 looks on a white background.

Color Contrast Check

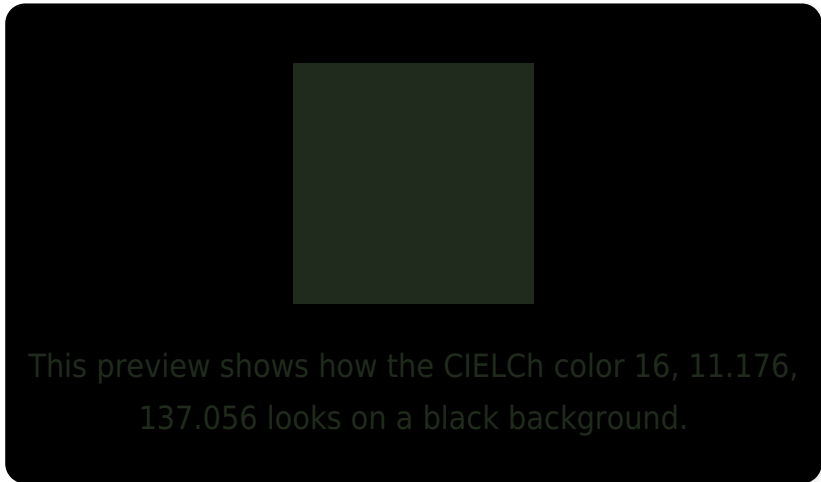
Large Text (above 18pt) WCAG AA ✓ Pass

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

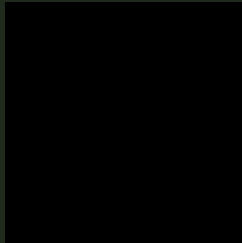
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 11.176, 137.056

Background



This preview shows how black text looks on a background with the CIELCh color 16, 11.176, 137.056.

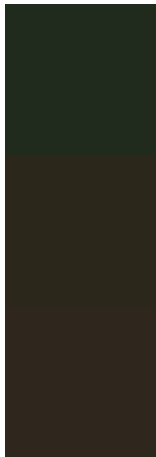


This preview shows how white text looks on a background with the CIELCh color 16, 11.176, 137.056.

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

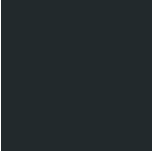
16, 11.176, 137.056

Protanopia

16, 9.160, 97.689

Deuteranopia

16, 7.393, 68.624



Tritanopia
16, 3.745, 233.152

Trichromacy



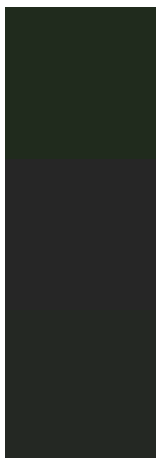
Original Color
16, 11.176, 137.056

Protanomaly
16, 9.058, 114.339

Deuteranomaly
16, 6.975, 104.009

Tritanomaly
16, 5.136, 165.241

Monochromacy



Original Color
16, 11.176, 137.056

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 4.035, 138.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 11.176, 137.056 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(32, 43, 29)` looks like.

```
.text, #text, p{  
    color:rgb(32, 43, 29)  
}
```

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(32, 43, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 43, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 11.176, 137.056 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(32, 43, 29) }
```

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

```
.border{ border-color:rgb(32, 43, 29) }
```

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

Here you see how a box with a 4 pixel rgb(32, 43, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 43, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 43, 29);  
box-shadow:4px 4px 4px 4px rgb(32, 43, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 11.176, 137.056 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 43, 29) }
```

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

```
.background{ background-color: rgb(32, 43,  
29) }
```

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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