

Converting Colors

CIELCh(11, 21.415, 16.784)

Have a look what the booklet for
CIELCh(11, 21.415, 16.784) contains.

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Color

CIELCh(11, 21.415, 16.784)

Conversions

Conversions Part 1

Format	Color
Hex	381016
RGB	56, 16, 22
RGB Percent	22%, 6%, 9%
CMY	0.7809, 0.9377, 0.9142
CMYK	0.00, 0.72, 0.61, 0.78
HSL	351°, 56%, 14%
HSV	351°, 72%, 22%
XYZ	1.9501, 1.2610, 0.8936
YIQ	28.6440, 21.9140, 10.3460

Conversions

Conversions Part 2

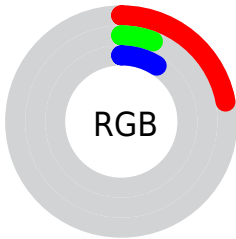
Format	Color
R_{YB}	56, 16, 22
Decimal	3674134
CIE Lab	11.00, 20.50, 6.18
CIE LCh	11, 21.415, 16.784
Yxy	1.2610, 0.4751, 0.3072
Android (android.graphics.Color)	4281864214 (0xFF381016)
YUV	28.6440, -3.2755, 23.9912
Hunter-Lab	11.2295, 11.3474, 3.1425

Details

The CIELCh color **11, 21.415, 16.784** is a dark color, and the websafe version is hex **330000**. A complement of this color would be **21, 15.650, 181.369**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 21.673, 16.955**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **10, 24.172, 18.296**, and if you desaturate by 10%, it is **12, 18.328, 14.584**.

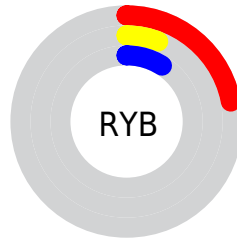
Distribution



 Red (22%)

 Green (6%)

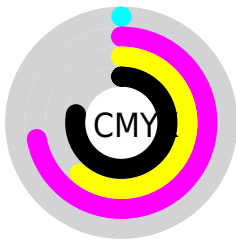
 Blue (9%)



 Red (22%)

 Yellow (6%)

 Blue (9%)

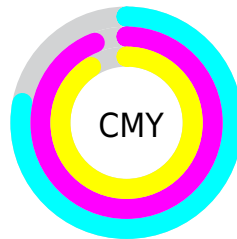


 Cyan (0%)

 Magenta (72%)

 Yellow (61%)

 Black (78%)



 Cyan (78%)

 Magenta (94%)

 Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 21.415, 16.784 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 11, 21.415, 16.784 by changing the saturation by 10% instead.

 11, 21.415, 16.784

 11, 21.415, 16.784

 100, 21.415,
16.784

 1, 21.415, 16.784

 31, 21.415, 16.784

 0, 21.415, 16.784

 41, 21.415, 16.784

 51, 21.415, 16.784

 61, 21.415, 16.784

 71, 21.415, 16.784

 81, 21.415, 16.784

 91, 21.415, 16.784

■ 11, 21.415, 16.784

■ 11, 21.415, 16.784

■ 10, 24.172, 18.296

■ 12, 18.328, 14.584

■ 9, 26.740, 18.546

■ 14, 15.171, 12.732

■ 8, 29.056, 17.565

■ 16, 12.024, 11.210

■ 17, 8.945, 9.945

■ 19, 5.972, 8.876

■ 21, 3.127, 7.945

■ 23, 0.417, 6.725

■ 25, 2.155, 186.662

■ 27, 4.596, 186.015

Harmonies

Complementary

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



11, 21.415, 16.784



21, 15.650, 181.369

Rectangle

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



11, 21.415, 16.784



11, 21.415, 66.784



11, 21.415, 196.784



11, 21.415, 246.784

Sweetspot

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



11, 21.414, 16.786



25, 7.142, 8.914



11, 30.356, 322.268



11, 4.743, 8.963



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



11, 21.414, 16.786



13, 31.232, 22.088



14, 18.341, 51.146



9, 1.488, 7.654



17, 43.496, 28.054



46, 86.252, 33.539

Inverse Universe

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



11, 21.414, 16.786



13, 31.232, 22.088



16, 12.699, 246.022



9, 1.488, 7.654



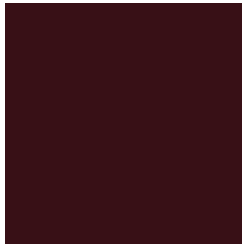
17, 43.496, 28.054



46, 86.252, 33.539

Previews

White Background



This preview shows how the CIELCh color 11, 21.415, 16.784 looks on a white background.

Color Contrast Check

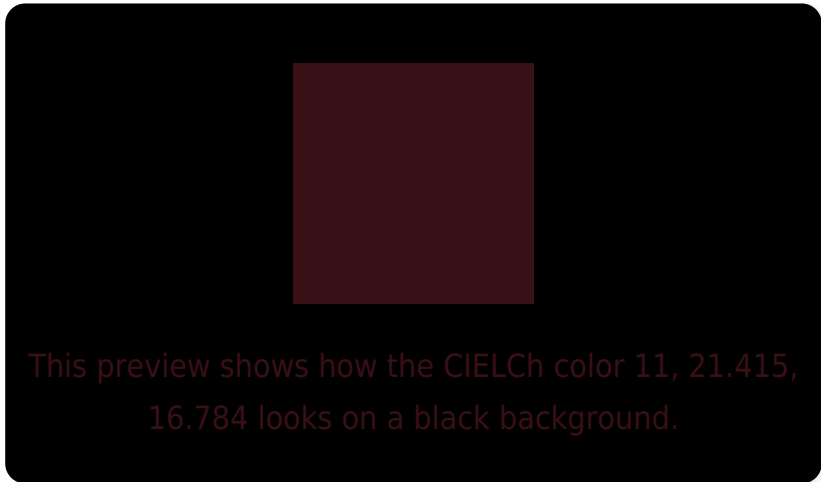
Large Text (above 18pt) WCAG AA ✓ Pass

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

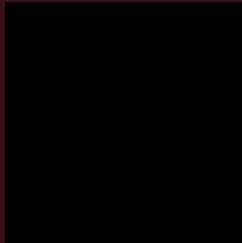
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 21.415, 16.784

Background



This preview shows how black text looks on a background with the CIELCh color 11, 21.415, 16.784.

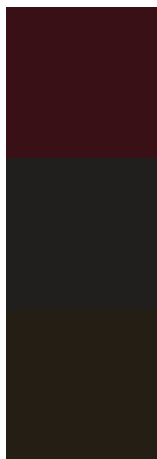


This preview shows how white text looks on a background with the CIELCh color 11, 21.415, 16.784.

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

11, 21.415, 16.784

Protanopia

12, 1.530, 90.223

Deuteranopia

12, 8.198, 79.575



Tritanopia
11, 21.504, 24.718

Trichromacy



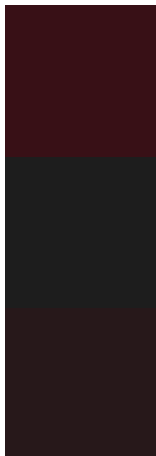
Original Color
11, 21.415, 16.784

Protanomaly
11, 8.583, 17.264

Deuteranomaly
11, 11.153, 36.984

Tritanomaly
11, 21.351, 23.175

Monochromacy



Original Color
11, 21.415, 16.784

Achromatopsia
11, 0.003, 296.813

Achromatomaly
10, 8.091, 11.693

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 21.415, 16.784 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(56, 16, 22)` looks like.

```
.text, #text, p{  
    color:rgb(56, 16, 22)  
}
```

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(56, 16, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 16, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 21.415, 16.784 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(56, 16, 22) }
```

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

```
.border{ border-color:rgb(56, 16, 22) }
```

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

Here you see how a box with a 4 pixel rgb(56, 16, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 16, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 16, 22);  
box-shadow:4px 4px 4px 4px rgb(56, 16, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 21.415, 16.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 16, 22) }
```

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

```
.background{ background-color: rgb(56, 16,  
22) }
```

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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