

Converting Colors

CIELCh(16, 11.558, 128.898)

Have a look what the booklet for
CIELCh(16, 11.558, 128.898)
contains.

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Color

CIELCh(16, 11.164, 128.920)

Conversions

Conversions Part 1

Format	Color
Hex	222A1B
RGB	34, 42, 27
RGB Percent	13%, 16%, 11%
CMY	0.8657, 0.8343, 0.8931
CMYK	0.19, 0.00, 0.36, 0.83
HSL	92°, 22%, 14%
HSV	92°, 36%, 17%
XYZ	1.7062, 2.0993, 1.3673
YIQ	37.8980, 0.0470, -6.3610

Conversions

Conversions Part 2

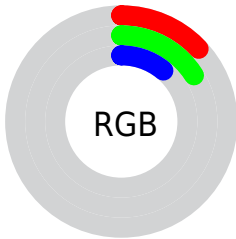
Format	Color
RYB	27, 42, 35
Decimal	2239003
CIELab	16.00, -7.01, 8.69
CIElCh	16, 11.164, 128.920
Yxy	2.0993, 0.3298, 0.4058
Android (android.graphics.Color)	4280429083 (0xFF222A1B)
YUV	37.8980, -5.3727, -3.4185
Hunter-Lab	14.4890, -4.3363, 4.5473

Details

The CIELCh color **16, 11.164, 128.920** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **11, 11.580, 311.545**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 11.248, 129.296**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 14.257, 128.533**, and if you desaturate by 10%, it is **16, 8.032, 129.309**.

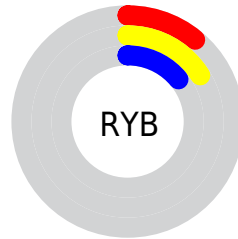
Distribution



Red (13%)

Green (16%)

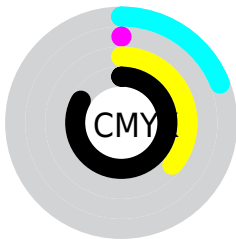
Blue (11%)



Red (11%)

Yellow (16%)

Blue (14%)

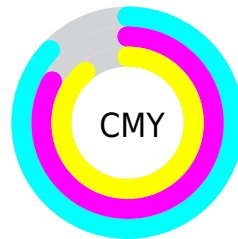


Cyan (19%)

Magenta (0%)

Yellow (36%)

Black (83%)



Cyan (87%)

Magenta (83%)

Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 11.164, 128.920 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, 11.164, 128.920 by changing the saturation by 10% instead.

■ 16, 11.164,
128.920

■ 16, 11.164,
128.920

■ 100, 11.164,
128.920

■ 6, 11.164, 128.920

■ 36, 11.164,
128.920

■ 0, 11.164, 128.920

■ 46, 11.164,
128.920


■ 56, 11.164,
128.920


■ 66, 11.164,
128.920


■ 76, 11.164,
128.920


■ 86, 11.164,


128.920


 96, 11.164,
128.920

 16, 11.164,
128.920

 16, 11.164,
128.920


 16, 14.257,
128.533

 16, 8.032, 129.309


 15, 17.268,
128.187

 17, 4.883, 129.687

 17, 1.733, 130.059


 15, 19.960,
128.338

 17, 1.404, 310.335

 15, 22.257,
128.924

 18, 4.518, 310.666

 18, 7.601, 310.955

 15, 24.339,
129.621

 19, 10.649,

■ 15, 26.434,
130.188

311.217

■ 15, 27.375,
130.405

■ 19, 13.657,
311.456

■ 19, 16.621,
311.673

Harmonies

Complementary

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



16, 11.164, 128.920



11, 11.580, 311.545

Rectangle

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



16, 11.164, 128.920



16, 11.164, 178.920



16, 11.164, 308.920



16, 11.164, 358.920

Sweetspot

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



16, 11.165, 128.922



23, 4.391, 129.828



14, 6.759, 73.609



10, 2.873, 129.834



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, 11.165, 128.922



22, 17.103, 128.522



15, 12.720, 142.918



6, 1.396, 130.603



31, 48.573, 127.768



76, 95.935, 129.246

Inverse Universe

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



11, 11.580, 311.545



15, 17.946, 311.967



12, 12.721, 326.441



6, 1.393, 309.835



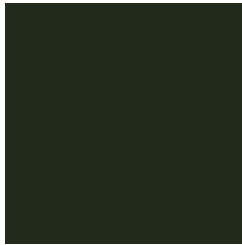
11, 54.883, 313.594



34, 107.745, 312.577

Previews

White Background



This preview shows how the CIELCh color 16, 11.164, 128.920 looks on a white background.

Color Contrast Check

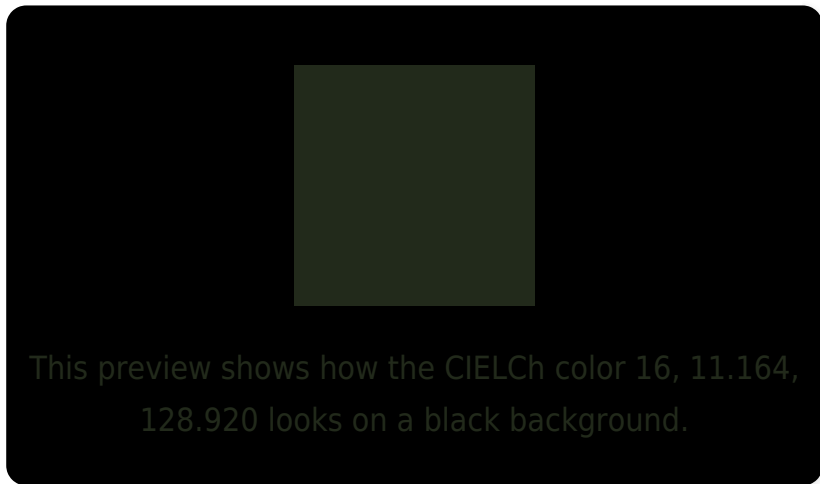
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.164, 128.920

Background



This preview shows how black text looks on a background with the CIELCh color 16, 11.164, 128.920.

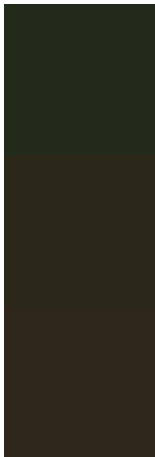


This preview shows how white text looks on a background with the CIELCh color 16, 11.164, 128.920.

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

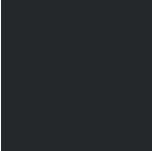
16, 11.164, 128.920

Protanopia

16, 9.836, 98.140

Deuteranopia

16, 8.547, 73.974



Tritanopia
16, 2.495, 256.950

Trichromacy



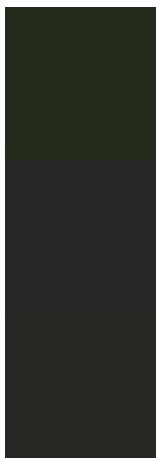
Original Color
16, 11.164, 128.920

Protanomaly
16, 10.363, 110.290

Deuteranomaly
16, 8.399, 100.689

Tritanomaly
16, 3.723, 149.925

Monochromacy



Original Color
16, 11.164, 128.920

Achromatopsia
15, 0.003, 296.813

Achromatomaly
16, 4.465, 128.550

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 11.164, 128.920 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(34, 42, 27)` looks like.

```
.text, #text, p{  
    color:rgb(34, 42, 27)  
}
```

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(34, 42, 27) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(34, 42, 27) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 11.164, 128.920 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(34, 42, 27) }
```

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

```
.border{ border-color:rgb(34, 42, 27) }
```

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

Here you see how a box with a 4 pixel `rgb(34, 42, 27)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(34, 42, 27); -webkit-box-  
shadow:4px 4px 4px 4px rgb(34, 42, 27);  
box-shadow:4px 4px 4px 4px rgb(34, 42, 27)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 11.164, 128.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(34, 42, 27) }
```

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

```
.background{ background-color: rgb(34, 42,  
27) }
```

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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