

Converting Colors

CIELCh(11, 8.557, 116.346)

Have a look what the booklet for
CIELCh(11, 8.557, 116.346) contains.

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Color

CIELCh(11, 8.667, 118.555)

Conversions

Conversions Part 1

Format	Color
Hex	1C1F13
RGB	28, 31, 19
RGB Percent	11%, 12%, 7%
CMY	0.8909, 0.8792, 0.9263
CMYK	0.10, 0.00, 0.39, 0.88
HSL	75°, 24%, 10%
HSV	75°, 39%, 12%
XYZ	1.0751, 1.2610, 0.7937
YIQ	28.7350, 2.0640, -4.3680

Conversions

Conversions Part 2

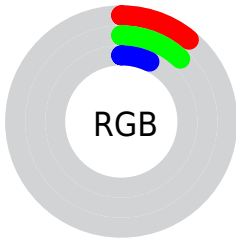
Format	Color
RYB	19, 31, 22
Decimal	1842963
CIELab	11.00, -4.14, 7.61
CIElCh	11, 8.667, 118.555
Yxy	1.2610, 0.3435, 0.4029
Android (android.graphics.Color)	4280033043 (0xFF1C1F13)
YUV	28.7350, -4.7994, -0.6446
Hunter-Lab	11.2295, -2.5628, 3.6699

Details

The CIELCh color **11, 8.667, 118.555** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **7, 9.010, 300.438**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **31, 9.037, 120.279**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **11, 10.531, 118.973**, and if you desaturate by 10%, it is **11, 6.570, 118.538**.

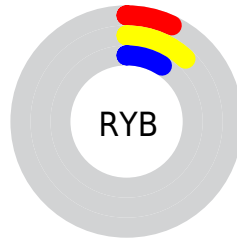
Distribution



Red (11%)

Green (12%)

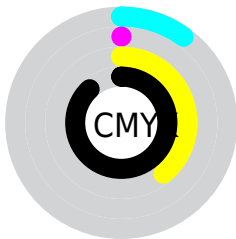
Blue (7%)



Red (7%)

Yellow (12%)

Blue (9%)

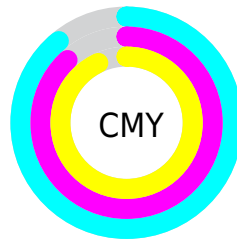


Cyan (10%)

Magenta (0%)

Yellow (39%)

Black (88%)



Cyan (89%)

Magenta (88%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 11, 8.667, 118.555 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, 8.667, 118.555 by changing the saturation by 10% instead.

■ 11, 8.667, 118.555

■ 11, 8.667, 118.555

■ 100, 8.667,
118.555

■ 1, 8.667, 118.555

■ 31, 8.667, 118.555

■ 0, 8.667, 118.555

■ 41, 8.667, 118.555

■ 51, 8.667, 118.555

■ 61, 8.667, 118.555

■ 71, 8.667, 118.555

■ 81, 8.667, 118.555

■ 91, 8.667, 118.555

■ 11, 8.667, 118.555

■ 11, 8.667, 118.555

■ 11, 10.531,
118.973

■ 11, 6.570, 118.538

■ 11, 12.168,
119.586

■ 11, 4.315, 118.995

■ 11, 2.045, 119.459

■ 11, 13.589,
120.321

■ 12, 0.229, 299.869

■ 10, 14.943,
121.039

■ 12, 2.502, 300.339

■ 12, 4.769, 300.761

■ 10, 16.310,
121.693

■ 12, 7.027, 301.163

■ 10, 17.691,
122.300

■ 13, 9.272, 301.547

■ 10, 17.830,
122.358

■ 13, 11.503,
301.911

Harmonies

Complementary

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



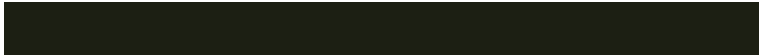
11, 8.667, 118.555



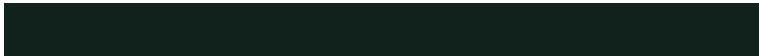
7, 9.010, 300.438

Rectangle

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



11, 8.667, 118.555



11, 8.667, 168.555



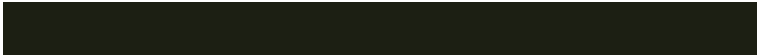
11, 8.667, 298.555



11, 8.667, 348.555

Sweetspot

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



11, 8.668, 118.557



16, 3.467, 119.275



8, 5.403, 40.162



6, 1.825, 120.295



61, 0.008, 296.813



6, 0.002, 296.812

Same Dimension

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



11, 8.668, 118.557



16, 13.412, 117.520



10, 9.782, 136.109



4, 0.798, 120.133



31, 42.835, 116.181



77, 85.957, 117.405

Inverse Universe

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



7, 9.010, 300.438



9, 14.566, 302.808



7, 9.968, 317.753



4, 0.799, 299.589



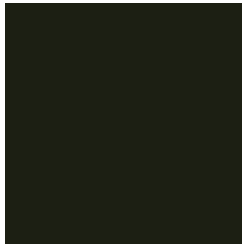
6, 54.948, 308.224



27, 111.789, 307.663

Previews

White Background



This preview shows how the CIELCh color 11, 8.667, 118.555 looks on a white background.

Color Contrast Check

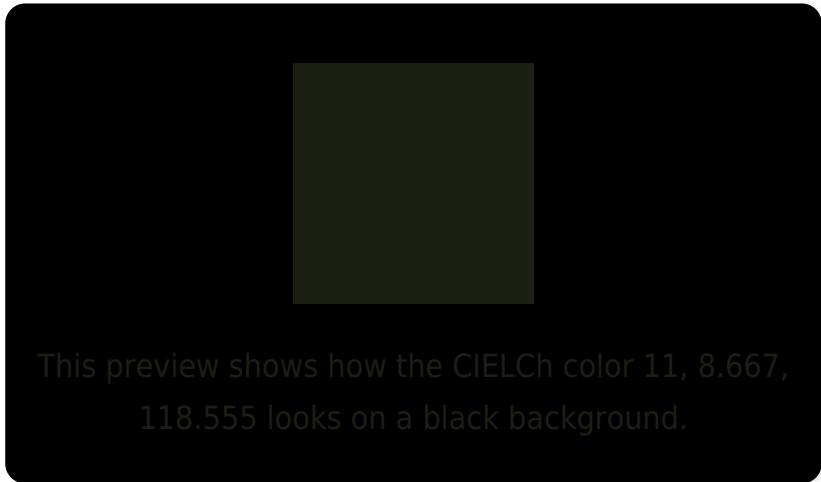
Large Text (above 18pt) WCAG AA ✓ Pass

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

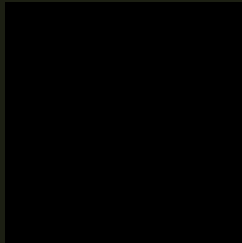
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 11, 8.667, 118.555

Background



This preview shows how black text looks on a background with the CIELCh color 11, 8.667, 118.555.

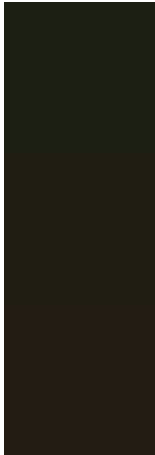


This preview shows how white text looks on a background with the CIELCh color 11, 8.667, 118.555.

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, 8.667, 118.555

Protanopia

11, 7.899, 95.871

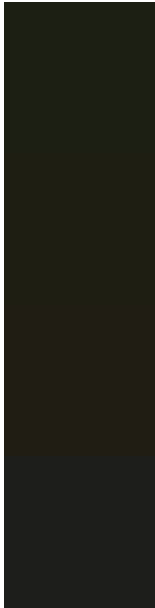
Deuteranopia

11, 7.536, 77.041



Tritanopia
11, 2.199, 290.886

Trichromacy



Original Color

11, 8.667, 118.555

Protanomaly

11, 8.419, 107.874

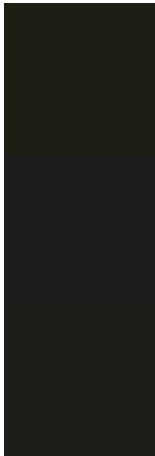
Deuteranomaly

11, 7.297, 94.985

Tritanomaly

11, 2.247, 122.666

Monochromacy



Original Color

11, 8.667, 118.555

Achromatopsia

11, 0.003, 296.813

Achromatomaly

11, 3.677, 117.174

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 11, 8.667, 118.555 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(28, 31, 19)` looks like.

```
.text, #text, p{  
    color:rgb(28, 31, 19)  
}
```

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(28, 31, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 31, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 11, 8.667, 118.555 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(28, 31, 19) }
```

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

```
.border{ border-color:rgb(28, 31, 19) }
```

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

Here you see how a box with a 4 pixel rgb(28, 31, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 31, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 31, 19);  
box-shadow:4px 4px 4px 4px rgb(28, 31, 19)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 11, 8.667, 118.555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 31, 19) }
```

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

```
.background{ background-color: rgb(28, 31,  
19) }
```

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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