

Converting Colors

CIELCh(12, 17.960, 106.627)

Have a look what the booklet for
CIELCh(12, 17.960, 106.627)
contains.

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Color

CIELCh(12, 18.112, 106.762)

Conversions

Conversions Part 1

Format	Color
Hex	212101
RGB	33, 33, 1
RGB Percent	13%, 13%, 0%
CMY	0.8709, 0.8710, 0.9967
CMYK	0.00, 0.00, 0.97, 0.87
HSL	60°, 95%, 7%
HSV	60°, 97%, 13%
XYZ	1.1706, 1.4064, 0.2340
YIQ	29.3520, 10.2720, -9.9520

Conversions

Conversions Part 2

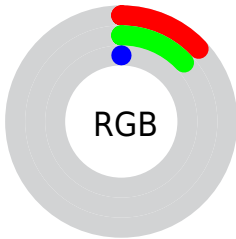
Format	Color
R_{YB}	1, 33, 1
Decimal	2171137
CIE Lab	12.00, -5.22, 17.34
CIE LCh	12, 18.112, 106.762
Yxy	1.4064, 0.4164, 0.5003
Android (android.graphics.Color)	4280361217 (0xFF212101)
YUV	29.3520, -13.9775, 3.1993
Hunter-Lab	11.8591, -3.1343, 7.1314

Details

The CIELCh color **12, 18.112, 106.762** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **1, 18.939, 291.102**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 18.019, 106.903**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 18.455, 106.766**, and if you desaturate by 10%, it is **12, 16.781, 106.768**.

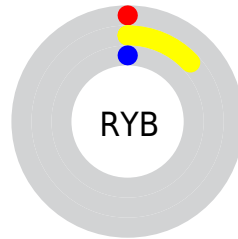
Distribution



Red (13%)

Green (13%)

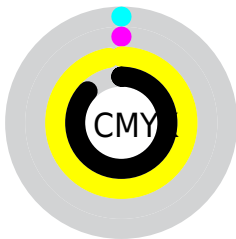
Blue (0%)



Red (0%)

Yellow (13%)

Blue (0%)

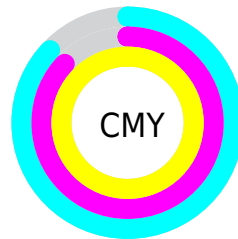


Cyan (0%)

Magenta (0%)

Yellow (97%)

Black (87%)



Cyan (87%)

Magenta (87%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 18.112, 106.762 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 12, 18.112, 106.762 by changing the saturation by 10% instead.

■ 12, 18.112,
106.762

■ 12, 18.112,
106.762

■ 100, 18.112,
106.762

■ 2, 18.112, 106.762

■ 32, 18.112,
106.762

■ 0, 18.112, 106.762

■ 42, 18.112,
106.762


■ 52, 18.112,
106.762


■ 62, 18.112,
106.762


■ 72, 18.112,
106.762


■ 82, 18.112,


106.762


 92, 18.112,
106.762


 12, 18.112,
106.762


 12, 18.112,
106.762


 12, 18.455,
106.766

 12, 16.781,
106.768

 12, 15.451,
106.792

 12, 14.117,
106.840

 12, 12.603,
106.934

 12, 10.821,
107.118

■ 12, 8.759, 107.492

■ 12, 6.458, 108.177

■ 13, 4.114, 108.902

■ 13, 1.755, 109.618

Harmonies

Complementary

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



12, 18.112, 106.762



1, 18.939, 291.102

Rectangle

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



12, 18.112, 106.762



12, 18.112, 156.762



12, 18.112, 286.762



12, 18.112, 336.762

Sweetspot

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



12, 18.113, 106.764



17, 8.625, 107.901



3, 13.607, 18.497



7, 5.038, 110.154



62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 18.113, 106.764



17, 25.009, 104.471



11, 20.415, 131.813



4, 0.783, 110.148



32, 41.445, 102.826



80, 82.648, 102.823

Inverse Universe

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



1, 18.939, 291.102



2, 27.568, 294.032



2, 19.609, 304.807



4, 0.786, 290.170



5, 55.492, 305.158



25, 114.141, 306.282

Previews

White Background



This preview shows how the CIELCh color 12, 18.112, 106.762 looks on a white background.

Color Contrast Check

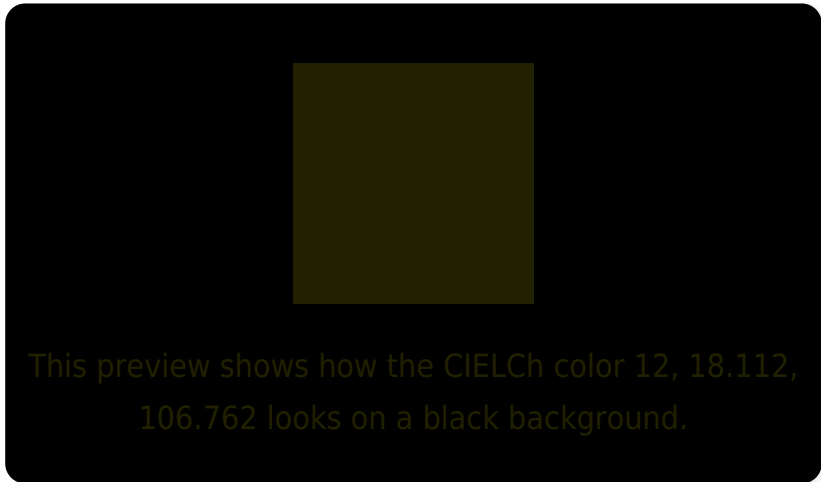
Large Text (above 18pt) WCAG AA ✓ Pass

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

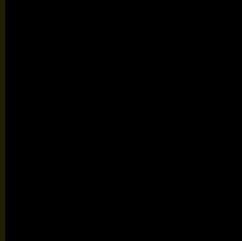
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

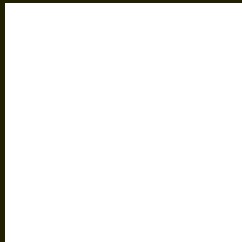
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 12, 18.112, 106.762

Background



This preview shows how black text looks on a background with the CIELCh color 12, 18.112, 106.762.

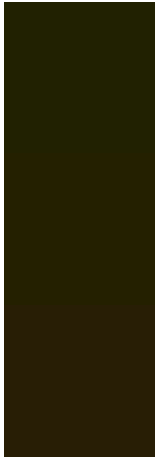


This preview shows how white text looks on a background with the CIELCh color 12, 18.112, 106.762.

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

12, 18.112, 106.762

Protanopia

12, 17.996, 99.288

Deuteranopia

12, 15.704, 85.071



Tritanopia
12, 2.473, 344.325

Trichromacy



Original Color
12, 18.112, 106.762

Protanomaly
12, 17.923, 101.236

Deuteranomaly
12, 16.351, 94.555

Tritanomaly
12, 7.945, 99.829

Monochromacy



Original Color
12, 18.112, 106.762

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 7.803, 107.936

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 18.112, 106.762 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(33, 33, 1)` looks like.

```
.text, #text, p{  
    color:rgb(33, 33, 1)  
}
```

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(33, 33, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 33, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 18.112, 106.762 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(33, 33, 1) }
```

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

```
.border{ border-color:rgb(33, 33, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 33, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 33, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(33, 33, 1); box-shadow:4px  
4px 4px 4px rgb(33, 33, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 18.112, 106.762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 33, 1) }
```

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

```
.background{ background-color: rgb(33, 33,  
1) }
```

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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