

Converting Colors

CIELCh(15, 11.430, 108.896)

Have a look what the booklet for
CIELCh(15, 11.430, 108.896)
contains.

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Color

CIELCh(15, 11.780, 109.505)

Conversions

Conversions Part 1

Format	Color
Hex	262716
RGB	38, 39, 22
RGB Percent	15%, 15%, 9%
CMY	0.8515, 0.8476, 0.9142
CMYK	0.03, 0.00, 0.44, 0.85
HSL	64°, 28%, 12%
HSV	64°, 44%, 15%
XYZ	1.6585, 1.9086, 1.0334
YIQ	36.7630, 4.8610, -5.4990

Conversions

Conversions Part 2

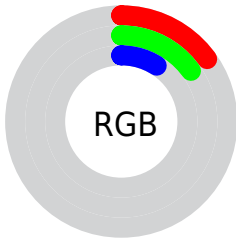
Format	Color
RYB	22, 39, 23
Decimal	2500374
CIELab	15.00, -3.93, 11.10
CIElCh	15, 11.780, 109.505
Yxy	1.9086, 0.3605, 0.4149
Android (android.graphics.Color)	4280690454 (0xFF262716)
YUV	36.7630, -7.2782, 1.0848
Hunter-Lab	13.8151, -2.7473, 5.2357

Details

The CIELCh color **15, 11.780, 109.505** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **8, 12.824, 296.405**, and the grayscale version is **15, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 11.743, 110.422**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 14.291, 108.937**, and if you desaturate by 10%, it is **15, 9.139, 110.187**.

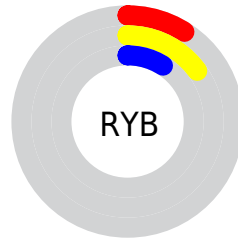
Distribution



Red (15%)

Green (15%)

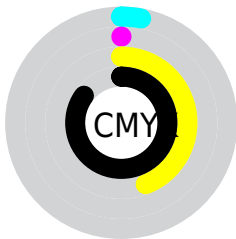
Blue (9%)



Red (9%)

Yellow (15%)

Blue (9%)

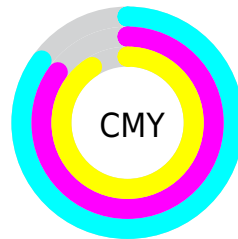


Cyan (3%)

Magenta (0%)

Yellow (44%)

Black (85%)



Cyan (85%)

Magenta (85%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 11.780, 109.505 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 15, 11.780, 109.505 by changing the saturation by 10% instead.

■ 15, 11.780,
109.505

■ 15, 11.780,
109.505

■ 100, 11.780,
109.505

■ 5, 11.780, 109.505

■ 35, 11.780,
109.505

■ 0, 11.780, 109.505

■ 45, 11.780,
109.505


■ 55, 11.780,
109.505


■ 65, 11.780,
109.505


■ 75, 11.780,
109.505


■ 85, 11.780,

109.505


 95, 11.780,
109.505

 15, 11.780,
109.505


 15, 11.780,
109.505

 15, 14.291,
108.937


 15, 9.139, 110.187

 15, 16.431,
108.683


 15, 6.454, 110.876

 15, 18.199,
108.620

 15, 3.742, 111.564

 15, 19.771,
108.640

 16, 1.015, 112.236

 15, 21.345,
108.678

 16, 1.718, 292.927

 16, 4.452, 293.575

 16, 7.180, 294.207

■ 15, 22.334,
108.710

■ 16, 9.900, 294.817

■ 16, 12.608,
295.404

Harmonies

Complementary

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



15, 11.780, 109.505



8, 12.824, 296.405

Rectangle

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



15, 11.780, 109.505



15, 11.780, 159.505



15, 11.780, 289.505



15, 11.780, 339.505

Sweetspot

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



15, 11.780, 109.508



21, 4.463, 111.553



10, 8.951, 25.997



9, 2.993, 111.854



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



15, 11.780, 109.508



20, 17.464, 108.736



14, 12.822, 129.219



6, 1.303, 112.587



34, 43.364, 106.208



81, 84.430, 106.521

Inverse Universe

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



8, 12.824, 296.405



10, 19.576, 297.844



9, 13.381, 312.388



6, 1.307, 292.413



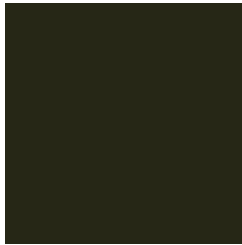
6, 58.635, 306.302



26, 115.984, 306.436

Previews

White Background



This preview shows how the CIELCh color 15, 11.780, 109.505 looks on a white background.

Color Contrast Check

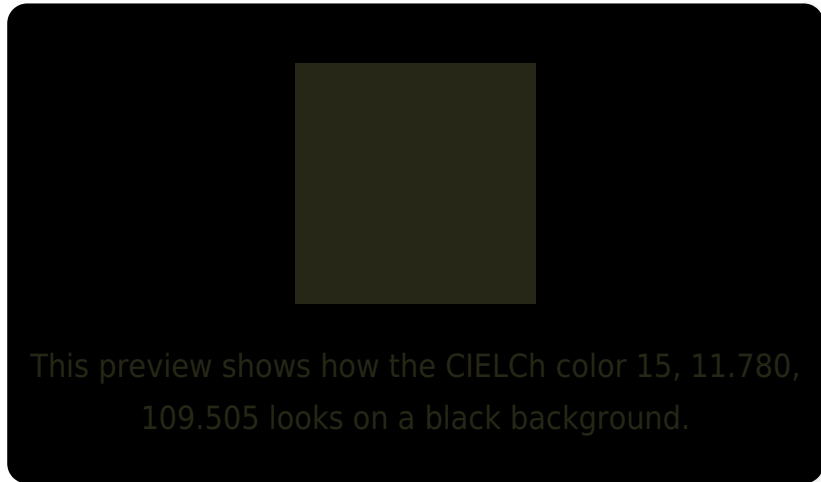
Large Text (above 18pt) WCAG AA ✓ Pass

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

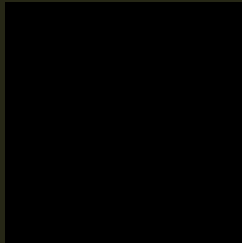
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 11.780, 109.505

Background



This preview shows how black text looks on a background with the CIELCh color 15, 11.780, 109.505.

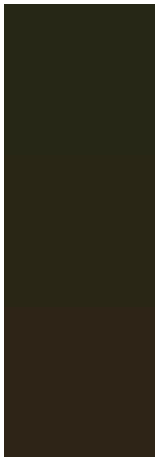


This preview shows how white text looks on a background with the CIELCh color 15, 11.780, 109.505.

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


15, 11.780, 109.505

Protanopia

15, 11.926, 98.897

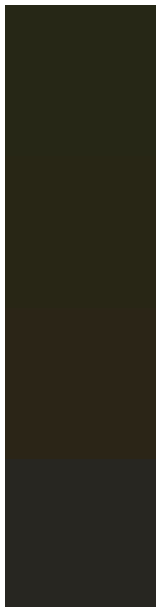
Deuteranopia

15, 10.758, 76.754



Tritanopia
15, 2.578, 324.732

Trichromacy



Original Color
15, 11.780, 109.505

Protanomaly
15, 11.858, 101.530

Deuteranomaly
15, 10.364, 88.921

Tritanomaly
15, 3.547, 100.989

Monochromacy



Original Color
15, 11.780, 109.505

Achromatopsia
15, 0.003, 296.813

Achromatomaly
15, 4.948, 114.702

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 11.780, 109.505 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(38, 39, 22)` looks like.

```
.text, #text, p{  
    color:rgb(38, 39, 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(38, 39, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 39, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 11.780, 109.505 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(38, 39, 22) }
```

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

```
.border{ border-color:rgb(38, 39, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 39, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 39, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 39, 22);  
box-shadow:4px 4px 4px 4px rgb(38, 39, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 11.780, 109.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 39, 22) }
```

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

```
.background{ background-color: rgb(38, 39,  
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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