

Converting Colors

CIELCh(15, 10.738, 120.187)

Have a look what the booklet for
CIELCh(15, 10.738, 120.187)
contains.

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Color

CIELCh(15, 11.396, 120.473)

Conversions

Conversions Part 1

Format	Color
Hex	232818
RGB	35, 40, 24
RGB Percent	14%, 16%, 9%
CMY	0.8642, 0.8446, 0.9072
CMYK	0.13, 0.00, 0.40, 0.84
HSL	79°, 25%, 12%
HSV	79°, 40%, 16%
XYZ	1.5887, 1.9086, 1.1301
YIQ	36.6810, 2.1560, -6.0360

Conversions

Conversions Part 2

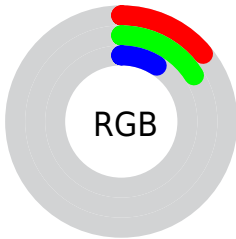
Format	Color
R_{YB}	24, 40, 29
Decimal	2304024
CIE Lab	15.00, -5.78, 9.82
CIE LCh	15, 11.396, 120.473
Yxy	1.9086, 0.3433, 0.4125
Android (android.graphics.Color)	4280494104 (0xFF232818)
YUV	36.6810, -6.2517, -1.4742
Hunter-Lab	13.8151, -3.6495, 4.8206

Details

The CIELCh color **15, 11.396, 120.473** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **9, 12.139, 304.412**, and the grayscale version is **14, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 11.353, 119.807**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 14.129, 120.052**, and if you desaturate by 10%, it is **15, 8.604, 120.928**.

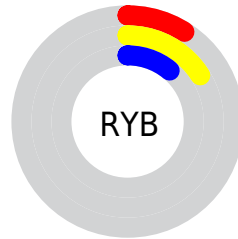
Distribution



Red (14%)

Green (16%)

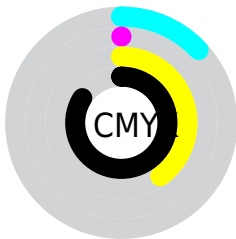
Blue (9%)



Red (9%)

Yellow (16%)

Blue (11%)

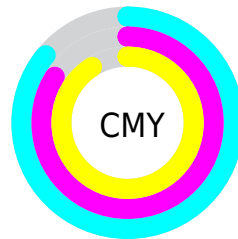


Cyan (13%)

Magenta (0%)

Yellow (40%)

Black (84%)



Cyan (86%)

Magenta (84%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 11.396, 120.473 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, 11.396, 120.473 by changing the saturation by 10% instead.

■ 15, 11.396,
120.473

■ 15, 11.396,
120.473

■ 100, 11.396,
120.473

■ 5, 11.396, 120.473

■ 35, 11.396,
120.473

■ 0, 11.396, 120.473

■ 45, 11.396,
120.473


■ 55, 11.396,
120.473


■ 65, 11.396,
120.473


■ 75, 11.396,
120.473


■ 85, 11.396,

120.473


 95, 11.396,
120.473

 15, 11.396,
120.473

 15, 11.396,
120.473


 15, 14.129,
120.052

 15, 8.604, 120.928


 15, 16.582,
120.046

 15, 5.778, 121.385

 16, 2.935, 121.837


 14, 18.662,
120.437

 16, 0.087, 122.469

 14, 20.444,
121.038

 16, 2.757, 302.682

 16, 5.590, 303.087

 14, 22.207,
121.605

 17, 8.408, 303.468

■ 14, 23.928,
122.107

■ 17, 11.205,
303.828

■ 17, 13.979,
304.165

Harmonies

Complementary

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



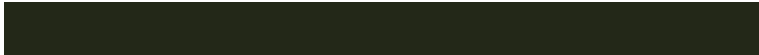
15, 11.396, 120.473



9, 12.139, 304.412

Rectangle

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



15, 11.396, 120.473



15, 11.396, 170.473



15, 11.396, 300.473



15, 11.396, 350.473

Sweetspot

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



15, 11.397, 120.475



21, 4.227, 121.728



12, 7.110, 49.693



9, 2.704, 122.014



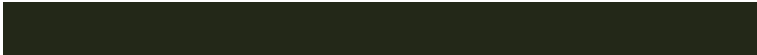
63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



15, 11.397, 120.475



20, 16.687, 120.012



14, 12.958, 137.118



6, 1.337, 122.633



32, 45.474, 119.316



78, 89.238, 120.626

Inverse Universe

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



9, 12.139, 304.412



12, 18.132, 305.107



10, 13.145, 320.214



6, 1.337, 301.930



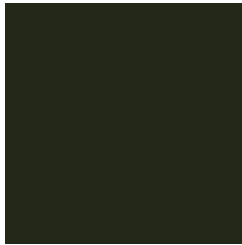
8, 57.270, 309.290



29, 112.700, 308.413

Previews

White Background



This preview shows how the CIELCh color 15, 11.396, 120.473 looks on a white background.

Color Contrast Check

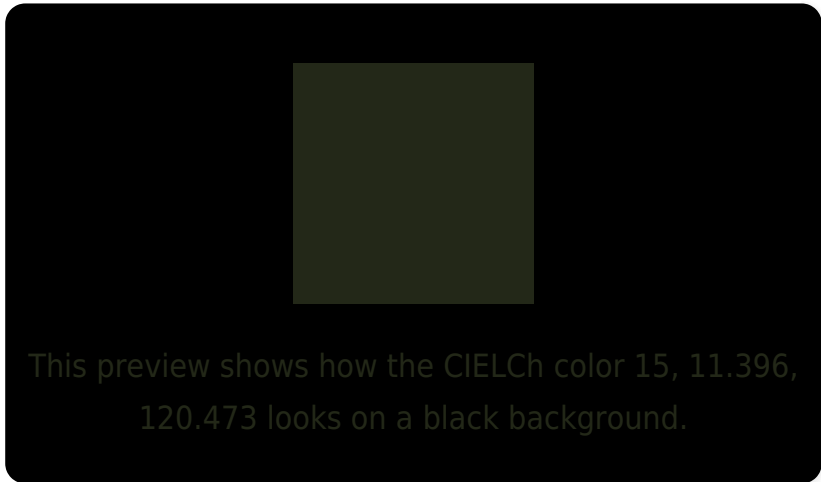
Large Text (above 18pt) WCAG AA ✓ Pass

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

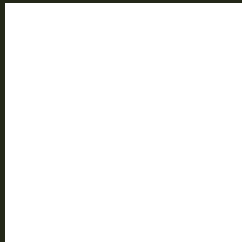
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 15, 11.396, 120.473

Background



This preview shows how black text looks on a background with the CIELCh color 15, 11.396, 120.473.

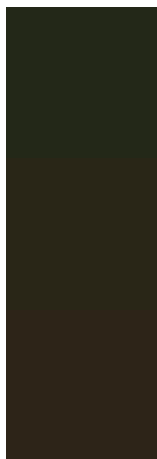


This preview shows how white text looks on a background with the CIELCh color 15, 11.396, 120.473.

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, 11.396, 120.473

Protanopia

15, 10.582, 98.365

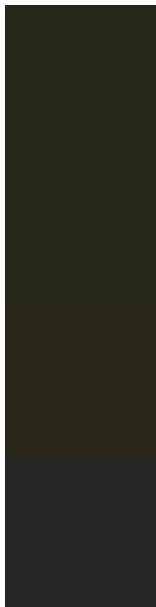
Deuteranopia

15, 9.843, 77.746



Tritanopia
15, 2.162, 278.208

Trichromacy



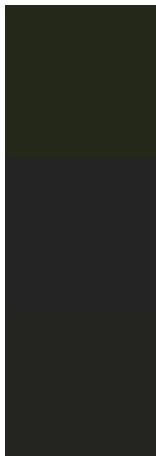
Original Color
15, 11.396, 120.473

Protanomaly
15, 11.093, 107.073

Deuteranomaly
15, 9.376, 94.216

Tritanomaly
15, 3.189, 136.962

Monochromacy



Original Color
15, 11.396, 120.473

Achromatopsia
14, 0.003, 296.813

Achromatomaly
14, 3.570, 117.289

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 11.396, 120.473 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(35, 40, 24)` looks like.

```
.text, #text, p{  
    color:rgb(35, 40, 24)  
}
```

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(35, 40, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 40, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 11.396, 120.473 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(35, 40, 24) }
```

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

```
.border{ border-color:rgb(35, 40, 24) }
```

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

Here you see how a box with a 4 pixel rgb(35, 40, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 40, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 40, 24);  
box-shadow:4px 4px 4px 4px rgb(35, 40, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 15, 11.396, 120.473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 40, 24) }
```

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

```
.background{ background-color: rgb(35, 40,  
24) }
```

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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