

Converting Colors

CIELCh(12, 11.487, 143.081)

Have a look what the booklet for
CIELCh(12, 11.487, 143.081)
contains.

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Color

CIELCh(12, 11.736, 144.239)

Conversions

Conversions Part 1

Format	Color
Hex	152316
RGB	21, 35, 22
RGB Percent	8%, 14%, 9%
CMY	0.9183, 0.8634, 0.9144
CMYK	0.40, 0.00, 0.37, 0.86
HSL	124°, 25%, 11%
HSV	124°, 40%, 14%
XYZ	1.0446, 1.4064, 0.9670
YIQ	29.3320, -4.1710, -7.0110

Conversions

Conversions Part 2

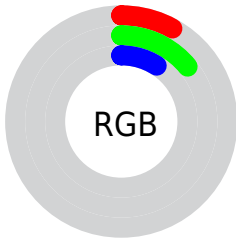
Format	Color
RYB	21, 34, 35
Decimal	1385238
CIELab	12.00, -9.52, 6.86
CIELCh	12, 11.736, 144.239
Yxy	1.4064, 0.3056, 0.4115
Android (android.graphics.Color)	4279575318 (0xFF152316)
YUV	29.3320, -3.6147, -7.3072
Hunter-Lab	11.8591, -5.0303, 3.4669

Details

The CIELCh color **12, 11.736, 144.239** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 11.741, 328.167**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 11.616, 143.372**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 14.519, 143.917**, and if you desaturate by 10%, it is **12, 8.824, 144.891**.

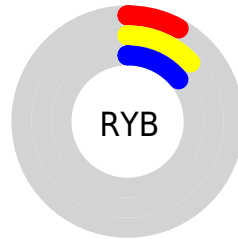
Distribution



Red (8%)

Green (14%)

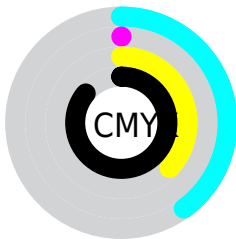
Blue (9%)



Red (8%)

Yellow (13%)

Blue (14%)

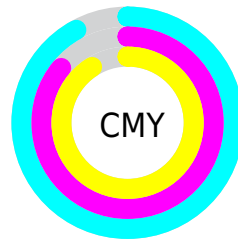


Cyan (40%)

Magenta (0%)

Yellow (37%)

Black (86%)



Cyan (92%)

Magenta (86%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 11.736, 144.239 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, 11.736, 144.239 by changing the saturation by 10% instead.

■ 12, 11.736,
144.239

■ 12, 11.736,
144.239

■ 100, 11.736,
144.239

■ 2, 11.736, 144.239

■ 32, 11.736,
144.239

■ 0, 11.736, 144.239

■ 42, 11.736,
144.239


■ 52, 11.736,
144.239


■ 62, 11.736,
144.239


■ 72, 11.736,
144.239


■ 82, 11.736,

144.239


 92, 11.736,
144.239

 12, 11.736,
144.239


 12, 11.736,
144.239

 12, 14.519,
143.917


 12, 8.824, 144.891

 11, 17.063,
144.042


 13, 5.890, 145.474

 11, 19.313,
144.277

 13, 2.958, 146.000

 11, 21.247,
144.538

 14, 0.051, 148.076

 11, 23.122,
144.817

 14, 2.817, 326.795

 15, 5.633, 327.165

 15, 8.391, 327.485

■ 11, 24.947,
145.043

■ 16, 11.084,
327.767

■ 16, 13.709,
328.018

Harmonies

Complementary

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



12, 11.736, 144.239



9, 11.741, 328.167

Rectangle

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



12, 11.736, 144.239



12, 11.736, 194.239



12, 11.736, 324.239



12, 11.736, 14.239

Sweetspot

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



12, 11.736, 144.239



18, 4.417, 145.861



13, 9.885, 110.172



7, 2.591, 146.332



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, 11.736, 144.239



17, 17.648, 143.404



12, 8.058, 164.459



5, 1.194, 146.390



29, 50.554, 137.466



73, 101.833, 136.536

Inverse Universe

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



9, 11.741, 328.167



12, 17.621, 328.653



9, 8.488, 350.477



5, 1.192, 326.474



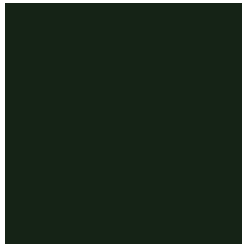
17, 47.976, 331.039



49, 94.015, 331.337

Previews

White Background



This preview shows how the CIELCh color 12, 11.736, 144.239 looks on a white background.

Color Contrast Check

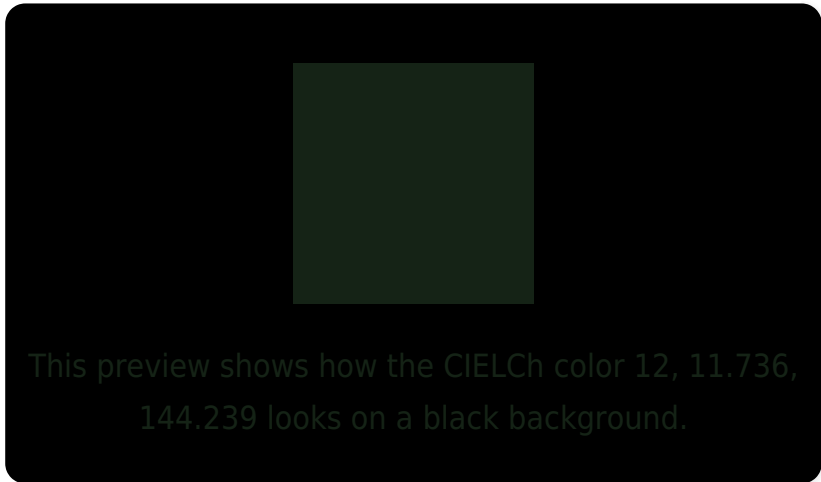
Large Text (above 18pt) WCAG AA ✓ Pass

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

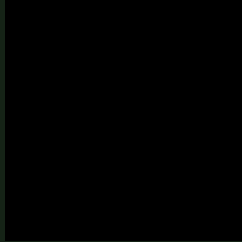
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 11.736, 144.239

Background



This preview shows how black text looks on a background with the CIELCh color 12, 11.736, 144.239.



This preview shows how white text looks on a background with the CIELCh color 12, 11.736, 144.239.

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

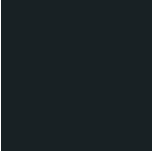
12, 11.736, 144.239

Protanopia

12, 8.609, 100.243

Deuteranopia

12, 6.384, 71.784



Tritanopia
12, 4.560, 227.184

Trichromacy



Original Color
12, 11.736, 144.239

Protanomaly
12, 8.833, 121.585

Deuteranomaly
12, 6.490, 112.877

Tritanomaly
12, 5.705, 175.546

Monochromacy



Original Color
12, 11.736, 144.239

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 4.466, 143.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 11.736, 144.239 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(21, 35, 22)` looks like.

```
.text, #text, p{  
    color:rgb(21, 35, 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(21, 35, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 35, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 11.736, 144.239 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(21, 35, 22) }
```

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

```
.border{ border-color:rgb(21, 35, 22) }
```

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

Here you see how a box with a 4 pixel rgb(21, 35, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 35, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 35, 22);  
box-shadow:4px 4px 4px 4px rgb(21, 35, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 11.736, 144.239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 35, 22) }
```

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

```
.background{ background-color: rgb(21, 35,  
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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