

Converting Colors

CIELCh(12, 10.919, 147.986)

Have a look what the booklet for
CIELCh(12, 10.919, 147.986)
contains.

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Color

CIELCh(12, 11.159, 146.359)

Conversions

Conversions Part 1

Format	Color
Hex	152317
RGB	21, 35, 23
RGB Percent	8%, 14%, 9%
CMY	0.9185, 0.8637, 0.9107
CMYK	0.40, 0.00, 0.34, 0.86
HSL	129°, 25%, 11%
HSV	129°, 40%, 14%
XYZ	1.0512, 1.4064, 1.0151
YIQ	29.4460, -4.4920, -6.7000

Conversions

Conversions Part 2

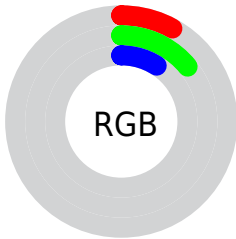
Format	Color
R_{YB}	21, 33, 35
Decimal	1385239
CIE _{Lab}	12.00, -9.29, 6.18
CIE _{LCh}	12, 11.159, 146.359
Y _{xy}	1.4064, 0.3027, 0.4050
Android (android.graphics.Color)	4279575319 (0xFF152317)
Y _{UV}	29.4460, -3.1779, -7.4071
Hunter-Lab	11.8591, -4.9312, 3.2261

Details

The CIELCh color **12, 11.159, 146.359** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **9, 11.182, 330.475**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 10.587, 147.181**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 13.847, 145.786**, and if you desaturate by 10%, it is **12, 8.394, 147.030**.

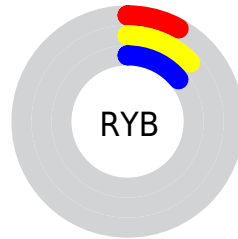
Distribution



Red (8%)

Green (14%)

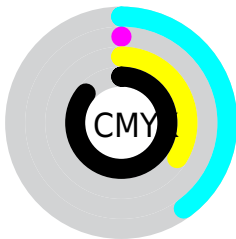
Blue (9%)



Red (8%)

Yellow (13%)

Blue (14%)

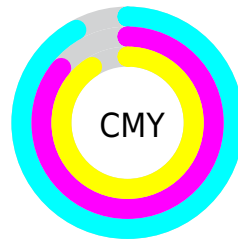


Cyan (40%)

Magenta (0%)

Yellow (34%)

Black (86%)



Cyan (92%)

Magenta (86%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 11.159, 146.359 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, 11.159, 146.359 by changing the saturation by 10% instead.

■ 12, 11.159,
146.359

■ 12, 11.159,
146.359

■ 100, 11.159,
146.359

■ 2, 11.159, 146.359

■ 32, 11.159,
146.359

■ 0, 11.159, 146.359

■ 42, 11.159,
146.359


■ 52, 11.159,
146.359


■ 62, 11.159,
146.359


■ 72, 11.159,
146.359


■ 82, 11.159,

146.359


 92, 11.159,
146.359

 12, 11.159,
146.359


 12, 11.159,
146.359

 12, 13.847,
145.786


 12, 8.394, 147.030

 11, 16.336,
145.661


 13, 5.608, 147.630

 11, 18.572,
145.698

 13, 2.826, 148.174

 11, 20.518,
145.811

 14, 2.660, 328.999

 11, 22.313,
146.131

 15, 5.338, 329.390

 15, 7.961, 329.731

■ 11, 24.044,
146.399

■ 16, 10.523,
330.035

■ 16, 13.022,
330.308

Harmonies

Complementary

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



12, 11.159, 146.359



9, 11.182, 330.475

Rectangle

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



12, 11.159, 146.359



12, 11.159, 196.359



12, 11.159, 326.359



12, 11.159, 16.359

Sweetspot

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



12, 11.159, 146.359



18, 4.200, 148.033



13, 9.928, 113.072



7, 2.471, 148.401



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, 11.159, 146.359



17, 16.783, 145.501



12, 7.657, 168.492



5, 1.138, 148.506



29, 48.905, 138.856



73, 99.728, 137.401

Inverse Universe

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



9, 11.182, 330.475



12, 16.787, 331.017



9, 8.209, 354.773



5, 1.132, 328.744



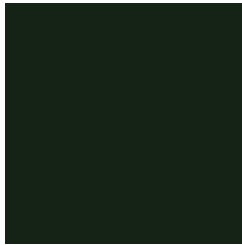
17, 45.575, 334.269



48, 88.872, 334.960

Previews

White Background



This preview shows how the CIELCh color 12, 11.159, 146.359 looks on a white background.

Color Contrast Check

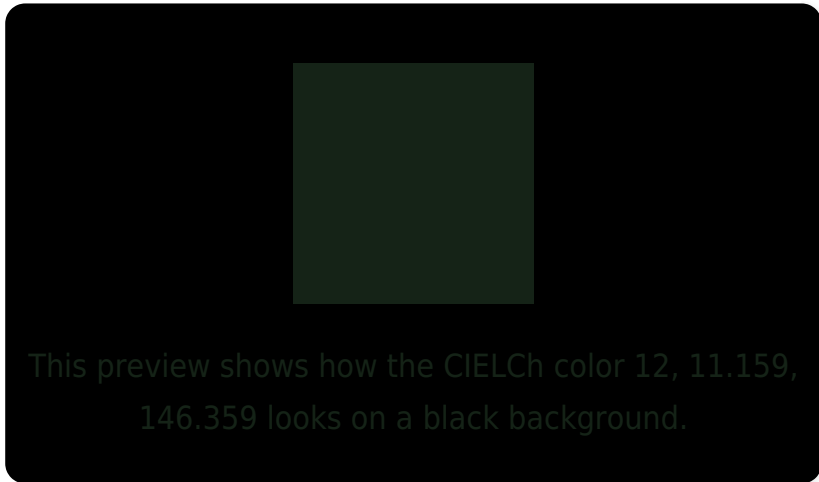
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.159, 146.359

Background



This preview shows how black text looks on a background with the CIELCh color 12, 11.159, 146.359.



This preview shows how white text looks on a background with the CIELCh color 12, 11.159, 146.359.

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

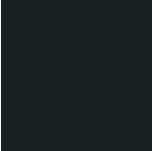
12, 11.159, 146.359

Protanopia

12, 7.945, 99.829

Deuteranopia

12, 5.800, 67.948



Tritanopia
12, 4.929, 224.792

Trichromacy



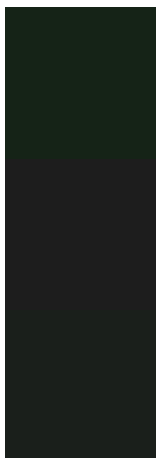
Original Color
12, 11.159, 146.359

Protanomaly
12, 8.160, 122.855

Deuteranomaly
12, 5.780, 113.642

Tritanomaly
12, 6.110, 176.975

Monochromacy



Original Color
12, 11.159, 146.359

Achromatopsia
11, 0.003, 296.813

Achromatomaly
11, 3.880, 149.767

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 11.159, 146.359 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, 23)` looks like.

```
.text, #text, p{  
    color:rgb(21, 35, 23)  
}
```

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, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 35, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 11.159, 146.359 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, 23) }
```

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

```
.border{ border-color:rgb(21, 35, 23) }
```

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, 23) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 35, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 35, 23);  
box-shadow:4px 4px 4px 4px rgb(21, 35, 23)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 11.159, 146.359 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, 23) }
```

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

```
.background{ background-color: rgb(21, 35,  
23) }
```

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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