

Converting Colors

CIELCh(12, 15.818, 148.121)

Have a look what the booklet for
CIELCh(12, 15.818, 148.121)
contains.

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Color

CIELCh(12, 15.636, 149.051)

Conversions

Conversions Part 1

Format	Color
Hex	0E2414
RGB	14, 36, 20
RGB Percent	5%, 14%, 8%
CMY	0.9451, 0.8588, 0.9215
CMYK	0.61, 0.00, 0.44, 0.86
HSL	136°, 44%, 10%
HSV	136°, 61%, 14%
XYZ	0.9388, 1.4064, 0.8843
YIQ	27.5980, -7.9760, -9.6400

Conversions

Conversions Part 2

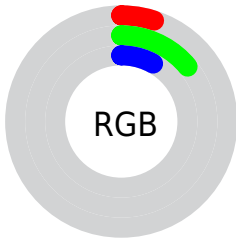
Format	Color
R_YB	14, 31, 36
Decimal	926740
CIE Lab	12.00, -13.41, 8.04
CIE LCh	12, 15.636, 149.051
Yxy	1.4064, 0.2907, 0.4355
Android (android.graphics.Color)	4279116820 (0xFF0E2414)
YUV	27.5980, -3.7458, -11.9254
Hunter-Lab	11.8591, -6.6224, 3.8803

Details

The CIELCh color **12, 15.636, 149.051** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 15.573, 336.653**, and the grayscale version is **10, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 15.989, 148.817**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 17.884, 148.537**, and if you desaturate by 10%, it is **12, 13.199, 149.855**.

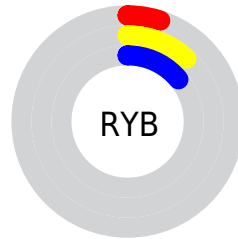
Distribution



Red (5%)

Green (14%)

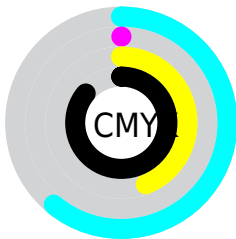
Blue (8%)



Red (5%)

Yellow (12%)

Blue (14%)

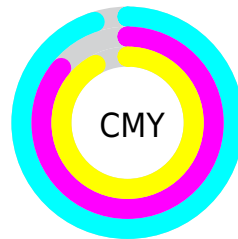


Cyan (61%)

Magenta (0%)

Yellow (44%)

Black (86%)



Cyan (95%)

Magenta (86%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 15.636, 149.051 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, 15.636, 149.051 by changing the saturation by 10% instead.

■ 12, 15.636,
149.051

■ 12, 15.636,
149.051

■ 100, 15.636,
149.051

■ 2, 15.636, 149.051

■ 32, 15.636,
149.051

■ 0, 15.636, 149.051

■ 42, 15.636,
149.051


■ 52, 15.636,
149.051


■ 62, 15.636,
149.051


■ 72, 15.636,
149.051


■ 82, 15.636,


149.051


 92, 15.636,
149.051


 12, 15.636,
149.051


 12, 15.636,
149.051

 12, 17.884,
148.537


 12, 13.199,
149.855

 12, 19.960,
148.326

 13, 10.667,
150.670

 11, 21.882,
148.433

 13, 8.085, 151.401

 11, 23.465,
148.720

 13, 5.480, 152.059

 14, 2.872, 152.662

 14, 0.279, 153.522

■ 15, 2.284, 333.583

■ 15, 4.807, 334.038

■ 16, 7.282, 334.438

Harmonies

Complementary

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



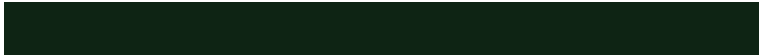
12, 15.636, 149.051



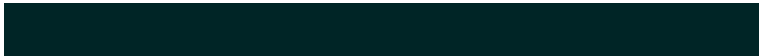
7, 15.573, 336.653

Rectangle

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



12, 15.636, 149.051



12, 15.636, 199.051



12, 15.636, 329.051



12, 15.636, 19.051

Sweetspot

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



12, 15.636, 149.051



18, 5.747, 152.179



13, 15.028, 118.778



7, 3.444, 152.453



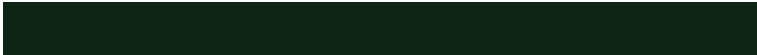
62, 0.008, 296.813



8, 0.002, 296.812

Same Dimension

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



12, 15.636, 149.051



16, 22.499, 147.213



12, 10.421, 175.950



5, 1.039, 152.949



29, 45.276, 142.176



74, 93.368, 140.183

Inverse Universe

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



7, 15.573, 336.653



9, 22.382, 337.826



7, 12.107, 6.150



5, 1.029, 333.470



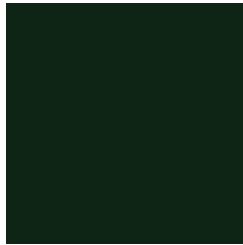
16, 41.714, 341.386



47, 80.789, 343.080

Previews

White Background



This preview shows how the CIELCh color 12, 15.636, 149.051 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, 15.636, 149.051

Background



This preview shows how black text looks on a background with the CIELCh color 12, 15.636, 149.051.



This preview shows how white text looks on a background with the CIELCh color 12, 15.636, 149.051.

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, 15.636, 149.051

Protanopia
12, 9.943, 97.667

Deuteranopia
12, 7.918, 74.033



Tritanopia
12, 6.723, 216.982

Trichromacy



Original Color
12, 15.636, 149.051

Protanomaly
12, 10.411, 125.321

Deuteranomaly
12, 8.048, 119.285

Tritanomaly
12, 8.698, 177.729

Monochromacy



Original Color
12, 15.636, 149.051

Achromatopsia
10, 0.003, 296.813

Achromatomaly
11, 5.999, 150.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 15.636, 149.051 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(14, 36, 20)` looks like.

```
.text, #text, p{  
    color:rgb(14, 36, 20)  
}
```

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(14, 36, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 36, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 15.636, 149.051 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(14, 36, 20) }
```

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

```
.border{ border-color:rgb(14, 36, 20) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 36, 20)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 36, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 36, 20);  
box-shadow:4px 4px 4px 4px rgb(14, 36, 20)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 12, 15.636, 149.051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 36, 20) }
```

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

```
.background{ background-color: rgb(14, 36,  
20) }
```

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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