

Converting Colors

CIELCh(12, 16.453, 164.615)

Have a look what the booklet for
CIELCh(12, 16.453, 164.615)
contains.

CIELCh(12, 16.716, 164.332)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(12, 16.716, 164.332)

Conversions

Conversions Part 1

Format	Color
Hex	032519
RGB	3, 37, 25
RGB Percent	1%, 15%, 10%
CMY	0.9885, 0.8552, 0.9023
CMYK	0.92, 0.00, 0.32, 0.86
HSL	159°, 85%, 8%
HSV	159°, 92%, 14%
XYZ	0.8701, 1.4064, 1.1406
YIQ	25.4660, -16.4120, -10.9400

Conversions

Conversions Part 2

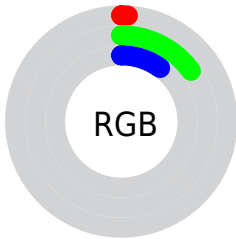
Format	Color
RYB	3, 24, 37
Decimal	206105
CIELab	12.00, -16.09, 4.51
CIElCh	12, 16.716, 164.332
Yxy	1.4064, 0.2546, 0.4116
Android (android.graphics.Color)	4278396185 (0xFF032519)
YUV	25.4660, -0.2297, -19.7027
Hunter-Lab	11.8591, -7.6571, 2.5987

Details

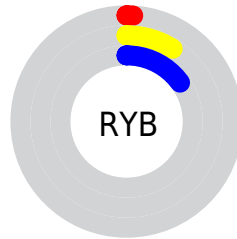
The CIELCh color **12, 16.716, 164.332** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4, 16.863, 1.733**, and the grayscale version is **9, 0.003, 296.813**.

A 20% lighter version of the original color is **32, 16.650, 164.871**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **12, 18.074, 163.881**, and if you desaturate by 10%, it is **12, 15.070, 165.087**.

Distribution



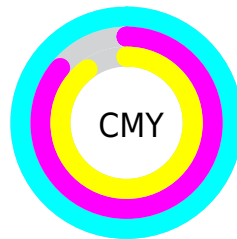
- Red (1%)
- Green (15%)
- Blue (10%)



- Red (1%)
- Yellow (9%)
- Blue (15%)



- Cyan (92%)
- Magenta (0%)
- Yellow (32%)
- Black (86%)





- Cyan (99%)
- Magenta (86%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 12, 16.716, 164.332 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, 16.716, 164.332 by changing the saturation by 10% instead.

 12, 16.716,
164.332


 12, 16.716,
164.332


 100, 16.716,
164.332


 2, 16.716, 164.332


 32, 16.716,
164.332

 0, 16.716, 164.332

 42, 16.716,
164.332


 52, 16.716,
164.332


 62, 16.716,
164.332


 72, 16.716,
164.332


 82, 16.716,


164.332


 92, 16.716,
164.332


 12, 16.716,
164.332


 12, 16.716,
164.332

 12, 18.074,
163.881

 12, 15.070,
165.087

 12, 13.497,
166.111

 13, 11.878,
167.209

 13, 10.143,
168.218

 13, 8.312, 169.150

■ 13, 6.404, 170.016

■ 14, 4.440, 170.828

■ 14, 2.439, 171.606

■ 15, 0.416, 172.603

Harmonies

Complementary

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



12, 16.716, 164.332



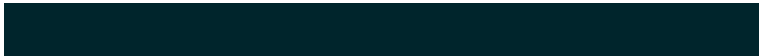
4, 16.863, 1.733

Rectangle

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



12, 16.716, 164.332



12, 16.716, 214.332



12, 16.716, 344.332



12, 16.716, 34.332

Sweetspot

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



12, 16.716, 164.331



19, 7.061, 170.190



12, 23.241, 134.910



8, 4.749, 169.904



63, 0.008, 296.813



9, 0.003, 296.813

Same Dimension

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



12, 16.716, 164.331



17, 21.815, 162.294



11, 10.990, 214.810



5, 0.801, 171.889



30, 31.823, 159.997



74, 65.176, 157.696

Inverse Universe

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



4, 16.863, 1.733



6, 25.493, 4.684



5, 14.846, 26.476



5, 0.794, 352.910



15, 37.037, 11.091



44, 74.027, 16.700

Previews

White Background



This preview shows how the CIELCh color 12, 16.716, 164.332 looks on a white background.

Color Contrast Check

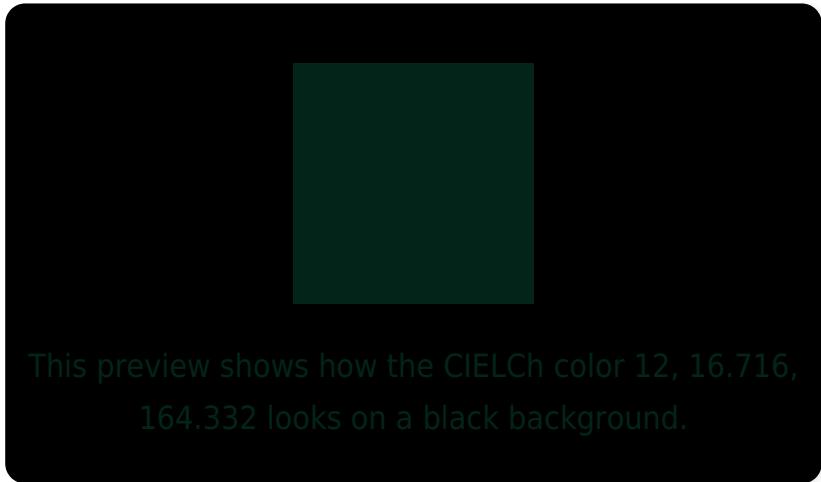
Large Text (above 18pt) WCAG AA ✓ Pass

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

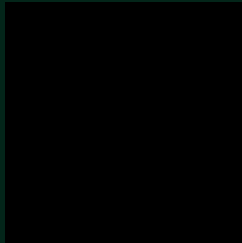
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 12, 16.716, 164.332

Background



This preview shows how black text looks on a background with the CIELCh color 12, 16.716, 164.332.



This preview shows how white text looks on a background with the CIELCh color 12, 16.716, 164.332.

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, 16.716, 164.332

Protanopia
12, 6.664, 94.066

Deuteranopia
12, 4.839, 67.667



Tritanopia
12, 8.949, 211.624

Trichromacy



Original Color
12, 16.716, 164.332

Protanomaly
12, 9.143, 145.324

Deuteranomaly
12, 6.512, 146.850

Tritanomaly
12, 11.186, 185.452

Monochromacy



Original Color
12, 16.716, 164.332

Achromatopsia
9, 0.002, 296.813

Achromatomaly
10, 6.578, 170.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 12, 16.716, 164.332 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(3, 37, 25)` looks like.

```
.text, #text, p{  
    color:rgb(3, 37, 25)  
}
```

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(3, 37, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 37, 25) }
```

Border

The CSS property to change the border of an element to CIELCh 12, 16.716, 164.332 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(3, 37, 25) }
```

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

```
.border{ border-color:rgb(3, 37, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 37, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 37, 25); -webkit-box-shadow:4px  
4px 4px 4px rgb(3, 37, 25); box-shadow:4px  
4px 4px 4px rgb(3, 37, 25) }
```

Background

The CSS property to change the background color of an element to CIELCh 12, 16.716, 164.332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 37, 25) }
```

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

```
.background{ background-color: rgb(3, 37,  
25) }
```

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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