

Converting Colors

CIELCh(16, 24.443, 148.616)

Have a look what the booklet for
CIELCh(16, 24.443, 148.616)
contains.

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Color

CIELCh(16, 24.567, 148.564)

Conversions

Conversions Part 1

Format	Color
Hex	072F15
RGB	7, 47, 21
RGB Percent	3%, 18%, 8%
CMY	0.9741, 0.8171, 0.9189
CMYK	0.86, 0.00, 0.56, 0.82
HSL	141°, 75%, 10%
HSV	141°, 86%, 18%
XYZ	1.2169, 2.0993, 1.0345
YIQ	32.0760, -15.4940, -16.5660

Conversions

Conversions Part 2

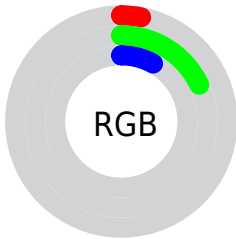
Format	Color
R_{YB}	7, 37, 47
Decimal	470805
CIE _{Lab}	16.00, -20.96, 12.81
CIE _{LCh}	16, 24.567, 148.564
Yxy	2.0993, 0.2797, 0.4825
Android (android.graphics.Color)	4278660885 (0xFF072F15)
YUV	32.0760, -5.4605, -21.9917
Hunter-Lab	14.4890, -10.3640, 5.9091

Details

The CIELCh color **16, 24.567, 148.564** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **8, 24.424, 343.120**, and the grayscale version is **12, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 24.776, 148.435**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 27.015, 147.711**, and if you desaturate by 10%, it is **16, 22.118, 149.789**.

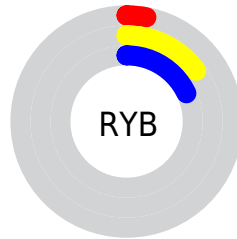
Distribution



Red (3%)

Green (18%)

Blue (8%)



Red (3%)

Yellow (15%)

Blue (18%)

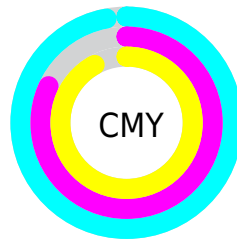


Cyan (86%)

Magenta (0%)

Yellow (56%)

Black (82%)



Cyan (97%)


Magenta (82%)


Yellow (92%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 24.567, 148.564 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 16, 24.567, 148.564 by changing the saturation by 10% instead.

 16, 24.567,
148.564

 16, 24.567,
148.564

 100, 24.567,
148.564

 6, 24.567, 148.564


 36, 24.567,
148.564

 0, 24.567, 148.564

 46, 24.567,
148.564


 56, 24.567,
148.564


 66, 24.567,
148.564


 76, 24.567,
148.564


 86, 24.567,


148.564


 96, 24.567,
148.564


 16, 24.567,
148.564


 16, 24.567,
148.564


 16, 27.015,
147.711


 16, 22.118,
149.789

 16, 28.015,
147.518

 16, 19.533,
151.017

 17, 16.779,
152.119

 17, 13.896,
153.103

 17, 10.920,
153.984

■ 18, 7.886, 154.773

■ 18, 4.828, 155.488

■ 19, 1.770, 156.168

■ 19, 1.265, 336.565

Harmonies

Complementary

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



16, 24.567, 148.564



8, 24.424, 343.120

Rectangle

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



16, 24.567, 148.564



16, 24.567, 198.564



16, 24.567, 328.564



16, 24.567, 18.564

Sweetspot

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



16, 24.567, 148.564



24, 9.979, 154.646



17, 25.458, 121.674



10, 6.604, 154.636



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 24.567, 148.564



22, 34.338, 145.986



17, 15.374, 180.342



7, 1.549, 156.046



31, 44.680, 144.623



75, 89.922, 142.606

Inverse Universe

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



8, 24.424, 343.120



10, 33.148, 345.440



7, 21.389, 15.032



7, 1.529, 336.833



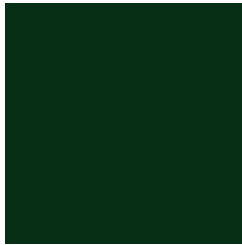
17, 41.413, 346.794



47, 78.351, 349.114

Previews

White Background



This preview shows how the CIELCh color 16, 24.567, 148.564 looks on a white background.

Color Contrast Check

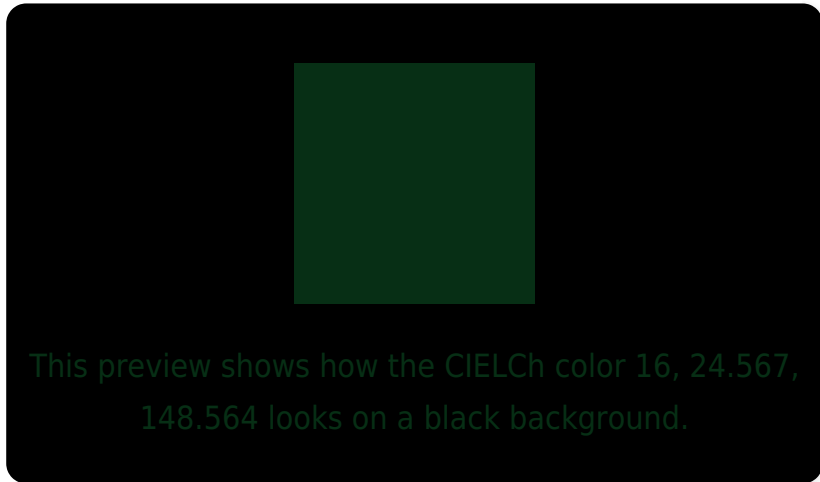
Large Text (above 18pt) WCAG AA ✓ Pass

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

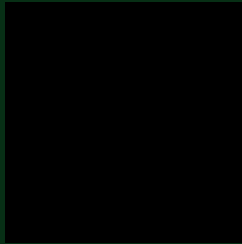
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 24.567, 148.564

Background



This preview shows how black text looks on a background with the CIELCh color 16, 24.567, 148.564.



This preview shows how white text looks on a background with the CIELCh color 16, 24.567, 148.564.

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

16, 24.567, 148.564

Protanopia

16, 14.656, 95.321

Deuteranopia

16, 12.183, 77.425



Tritanopia
16, 9.933, 209.788

Trichromacy



Original Color
16, 24.567, 148.564

Protanomaly
15, 16.107, 127.108

Deuteranomaly
15, 13.583, 122.410

Tritanomaly
16, 14.032, 172.840

Monochromacy



Original Color
16, 24.567, 148.564

Achromatopsia
12, 0.003, 296.813

Achromatomaly
13, 9.429, 154.242

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 24.567, 148.564 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(7, 47, 21)` looks like.

```
.text, #text, p{  
    color:rgb(7, 47, 21)  
}
```

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(7, 47, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 47, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 24.567, 148.564 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(7, 47, 21) }
```

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

```
.border{ border-color:rgb(7, 47, 21) }
```

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

Here you see how a box with a 4 pixel rgb(7, 47, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 47, 21); -webkit-box-shadow:4px  
4px 4px 4px rgb(7, 47, 21); box-shadow:4px  
4px 4px 4px rgb(7, 47, 21) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 24.567, 148.564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 47, 21) }
```

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

```
.background{ background-color: rgb(7, 47,  
21) }
```

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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