

Converting Colors

CIELCh(14, 44.237, 170.645)

Have a look what the booklet for
CIELCh(14, 44.237, 170.645)
contains.

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Color

CIELCh(16, 25.134, 153.768)

Conversions

Conversions Part 1

Format	Color
Hex	002F17
RGB	0, 47, 23
RGB Percent	0%, 18%, 9%
CMY	1.0000, 0.8153, 0.9090
CMYK	1.00, 0.00, 0.51, 0.82
HSL	150°, 100%, 9%
HSV	150°, 100%, 18%
XYZ	1.1681, 2.0993, 1.1644
YIQ	30.2110, -20.3080, -17.4280

Conversions

Conversions Part 2

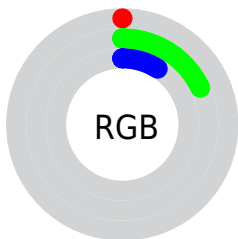
Format	Color
RYB	0, 32, 47
Decimal	12055
CIELab	16.00, -22.55, 11.11
CIELCh	16, 25.134, 153.768
Yxy	2.0993, 0.2636, 0.4737
Android (android.graphics.Color)	4278202135 (0xFF002F17)
YUV	30.2110, -3.5550, -26.4950
Hunter-Lab	14.4890, -10.9650, 5.3776

Details

The CIELCh color **16, 25.134, 153.768** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 25.814, 354.073**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 25.339, 153.396**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 24.973, 153.493**, and if you desaturate by 10%, it is **16, 22.773, 154.375**.

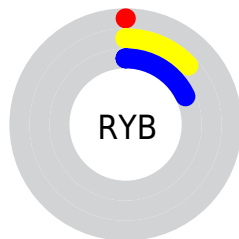
Distribution



Red (0%)

Green (18%)

Blue (9%)



Red (0%)

Yellow (13%)

Blue (18%)

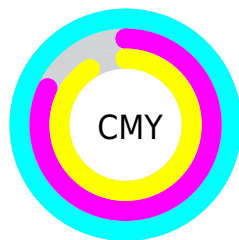


Cyan (100%)

Magenta (0%)

Yellow (51%)

Black (82%)



Cyan (100%)


Magenta (82%)


Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 25.134, 153.768 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, 25.134, 153.768 by changing the saturation by 10% instead.

 16, 25.134,
153.768


 16, 25.134,
153.768


 100, 25.134,
153.768


 6, 25.134, 153.768


 36, 25.134,
153.768

 0, 25.134, 153.768

 46, 25.134,
153.768


 56, 25.134,
153.768


 66, 25.134,
153.768


 76, 25.134,
153.768


 86, 25.134,


153.768


 96, 25.134,
153.768


 16, 25.134,
153.768

 16, 25.134,
153.768


 16, 24.973,
153.493

 16, 22.773,
154.375

 16, 20.627,
155.548

 17, 18.444,
156.880

 17, 16.088,
158.084

 17, 13.588,
159.170

■ 18, 10.976,
160.150

■ 18, 8.282, 161.040

■ 18, 5.537, 161.854

■ 19, 2.768, 162.617

Harmonies

Complementary

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



16, 25.134, 153.768



6, 25.814, 354.073

Rectangle

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



16, 25.134, 153.768



16, 25.134, 203.768



16, 25.134, 333.768



16, 25.134, 23.768

Sweetspot

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



16, 24.973, 153.493



24, 10.314, 160.897



17, 29.866, 127.587



10, 6.869, 160.865



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, 24.973, 153.493



22, 30.270, 152.121



17, 15.474, 194.288



7, 1.401, 162.714



32, 39.323, 150.696



76, 79.083, 148.519

Inverse Universe

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



6, 25.814, 354.073



10, 31.138, 355.616



5, 24.628, 19.858



7, 1.382, 343.779



16, 39.007, 357.882



46, 74.334, 1.731

Previews

White Background



This preview shows how the CIELCh color 16, 25.134, 153.768 looks on a white background.

Color Contrast Check

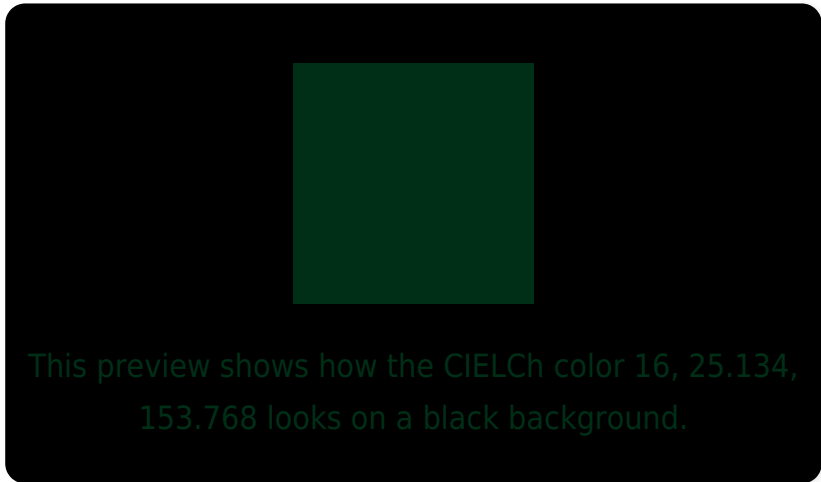
Large Text (above 18pt) WCAG AA ✓ Pass

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

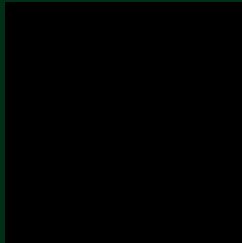
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 25.134, 153.768

Background



This preview shows how black text looks on a background with the CIELCh color 16, 25.134, 153.768.



This preview shows how white text looks on a background with the CIELCh color 16, 25.134, 153.768.

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, 25.003, 153.358

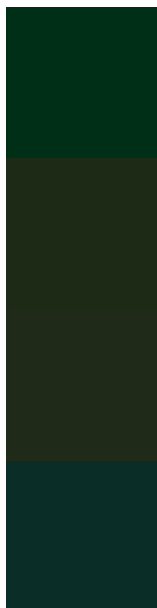
Protanopia
16, 13.870, 97.366

Deuteranopia
16, 11.230, 78.496



Tritanopia
16, 10.251, 213.475

Trichromacy



Original Color
16, 25.003, 153.358

Protanomaly
16, 16.094, 132.774

Deuteranomaly
16, 13.658, 131.268

Tritanomaly
16, 14.030, 178.916

Monochromacy



Original Color
16, 25.003, 153.358

Achromatopsia
11, 0.003, 296.813

Achromatomaly
13, 9.968, 161.714

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 25.134, 153.768 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(0, 47, 23)` looks like.

```
.text, #text, p{  
    color:rgb(0, 47, 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(0, 47, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 47, 23) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 25.134, 153.768 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(0, 47, 23) }
```

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

```
.border{ border-color:rgb(0, 47, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 47, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 47, 23); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 47, 23); box-shadow:4px  
4px 4px 4px rgb(0, 47, 23) }
```

Background

The CSS property to change the background color of an element to CIELCh 16, 25.134, 153.768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 47, 23) }
```

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

```
.background{ background-color: rgb(0, 47,  
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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