

Converting Colors

CIELCh(14, 30.565, 157.815)

Have a look what the booklet for
CIELCh(14, 30.565, 157.815)
contains.

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Color

CIELCh(15, 25.598, 150.142)

Conversions

Conversions Part 1

Format	Color
Hex	012D13
RGB	1, 45, 19
RGB Percent	0%, 18%, 7%
CMY	0.9978, 0.8245, 0.9265
CMYK	0.99, 0.00, 0.58, 0.82
HSL	145°, 97%, 9%
HSV	145°, 99%, 18%
XYZ	1.0518, 1.9086, 0.9171
YIQ	28.8800, -17.8780, -17.4140

Conversions

Conversions Part 2

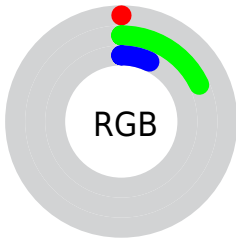
Format	Color
R_{YB}	1, 32, 45
Decimal	77075
CIE _{Lab}	15.00, -22.20, 12.74
CIE _{LCh}	15, 25.598, 150.142
Y _{xy}	1.9086, 0.2713, 0.4922
Android (android.graphics.Color)	4278267155 (0xFF012D13)
YUV	28.8800, -4.8708, -24.4508
Hunter-Lab	13.8151, -10.5869, 5.7346

Details

The CIELCh color **15, 25.598, 150.142** is a dark color, and the websafe version is hex **003300**. A complement of this color would be **6, 25.269, 348.013**, and the grayscale version is **11, 0.003, 296.813**.

A 20% lighter version of the original color is **35, 25.164, 150.844**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 25.891, 150.077**, and if you desaturate by 10%, it is **15, 23.283, 150.913**.

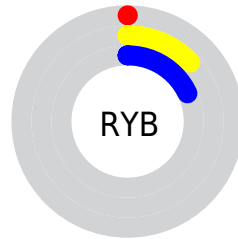
Distribution



Red (0%)

Green (18%)

Blue (7%)



Red (0%)

Yellow (13%)

Blue (18%)

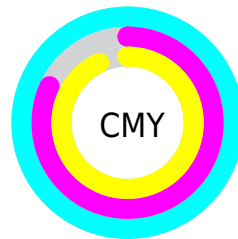


Cyan (99%)

Magenta (0%)

Yellow (58%)

Black (82%)



Cyan (100%)


Magenta (82%)


Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 15, 25.598, 150.142 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 15, 25.598, 150.142 by changing the saturation by 10% instead.

 15, 25.598,
150.142


 15, 25.598,
150.142


 100, 25.598,
150.142


 5, 25.598, 150.142


 35, 25.598,
150.142

 0, 25.598, 150.142

 45, 25.598,
150.142


 55, 25.598,
150.142


 65, 25.598,
150.142


 75, 25.598,
150.142


 85, 25.598,


150.142


 95, 25.598,
150.142


 15, 25.598,
150.142


 15, 25.598,
150.142


 15, 25.891,
150.077

 15, 23.283,
150.913

 15, 21.003,
152.014

 16, 18.680,
153.282

 16, 16.196,
154.424

 16, 13.582,
155.450

■ 17, 10.870,
156.371

■ 17, 8.093, 157.201

■ 17, 5.279, 157.956

■ 18, 2.455, 158.662

Harmonies

Complementary

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



15, 25.598, 150.142



6, 25.269, 348.013

Rectangle

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



15, 25.598, 150.142



15, 25.598, 200.142



15, 25.598, 330.142



15, 25.598, 20.142

Sweetspot

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



15, 25.598, 150.142



23, 10.603, 156.956



16, 27.463, 124.721



10, 7.317, 156.905



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



15, 25.598, 150.142



21, 31.621, 148.578



16, 15.833, 184.696



7, 1.484, 158.696



32, 42.463, 146.974



75, 85.505, 144.864

Inverse Universe

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



6, 25.269, 348.013



9, 31.330, 349.288



5, 22.747, 15.720



7, 1.464, 339.612



17, 40.185, 351.248



47, 76.131, 354.203

Previews

White Background



This preview shows how the CIELCh color 15, 25.598, 150.142 looks on a white background.

Color Contrast Check

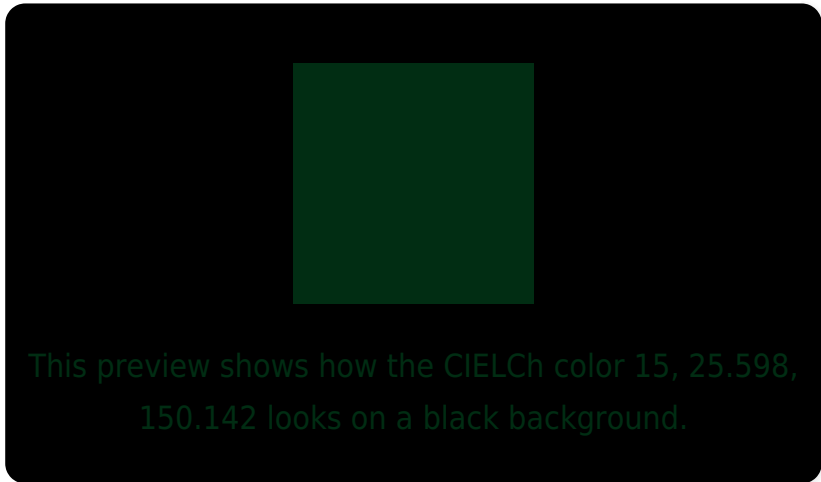
Large Text (above 18pt) WCAG AA ✓ Pass

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

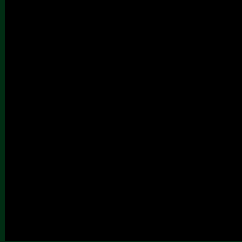
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 15, 25.598, 150.142

Background



This preview shows how black text looks on a background with the CIELCh color 15, 25.598, 150.142.



This preview shows how white text looks on a background with the CIELCh color 15, 25.598, 150.142.

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
15, 25.519, 150.082

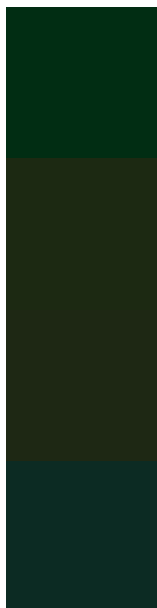
Protanopia
16, 15.134, 97.583

Deuteranopia
15, 12.568, 80.737



Tritanopia
15, 9.620, 210.300

Trichromacy



Original Color
15, 25.519, 150.082

Protanomaly
15, 17.119, 129.364

Deuteranomaly
15, 14.777, 127.224

Tritanomaly
15, 14.023, 172.567

Monochromacy



Original Color
15, 25.519, 150.082

Achromatopsia
11, 0.003, 296.813

Achromatomaly
12, 10.678, 154.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 15, 25.598, 150.142 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(1, 45, 19)` looks like.

```
.text, #text, p{  
    color:rgb(1, 45, 19)  
}
```

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(1, 45, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 45, 19) }
```

Border

The CSS property to change the border of an element to CIELCh 15, 25.598, 150.142 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(1, 45, 19) }
```

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

```
.border{ border-color:rgb(1, 45, 19) }
```

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

Here you see how a box with a 4 pixel rgb(1, 45, 19) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 45, 19); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 45, 19); box-shadow:4px  
4px 4px 4px rgb(1, 45, 19) }
```

Background

The CSS property to change the background color of an element to CIELCh 15, 25.598, 150.142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 45, 19) }
```

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

```
.background{ background-color: rgb(1, 45,  
19) }
```

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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