

Converting Colors

CIELCh(32, 48.424, 138.121)

Have a look what the booklet for
CIELCh(32, 48.424, 138.121)
contains.

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Color

CIELCh(32, 48.647, 138.096)

Conversions

Conversions Part 1

Format	Color
Hex	105812
RGB	16, 88, 18
RGB Percent	6%, 35%, 7%
CMY	0.9389, 0.6559, 0.9305
CMYK	0.82, 0.00, 0.80, 0.66
HSL	122°, 70%, 20%
HSV	122°, 82%, 34%
XYZ	3.7814, 7.0852, 1.7288
YIQ	58.4920, -20.4420, -37.0340

Conversions

Conversions Part 2

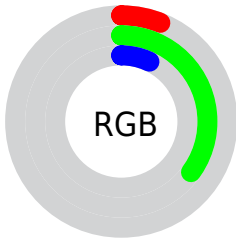
Format	Color
R_{YB}	16, 86, 88
Decimal	1071122
CIE _{Lab}	32.00, -36.21, 32.49
CIE _{LCh}	32, 48.647, 138.096
Yxy	7.0852, 0.3002, 0.5625
Android (android.graphics.Color)	4279261202 (0xFF105812)
YUV	58.4920, -19.9626, -37.2655
Hunter-Lab	26.6180, -21.2233, 14.7818

Details

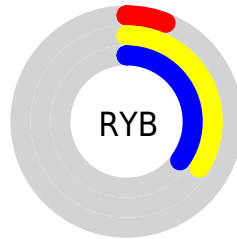
The CIELCh color **32, 48.647, 138.096** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **20, 47.286, 328.925**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **52, 48.706, 138.291**, and **14, 31.326, 141.634** is the 20% darker color. If you saturate the color by 10%, you get **32, 51.924, 137.192**, and if you desaturate by 10%, it is **32, 44.381, 139.168**.

Distribution



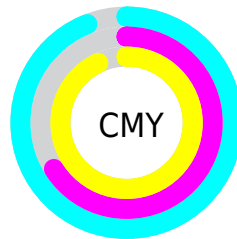
- Red (6%)
- Green (35%)
- Blue (7%)



- Red (6%)
- Yellow (34%)
- Blue (35%)



- Cyan (82%)
- Magenta (0%)
- Yellow (80%)
- Black (66%)




- Cyan (94%)
- Magenta (66%)
- Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 32, 48.647, 138.096 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 32, 48.647, 138.096 by changing the saturation by 10% instead.

 32, 48.647,
138.096

 32, 48.647,
138.096

 100, 48.647,
138.096

 22, 48.647,
138.096

 52, 48.647,
138.096


 12, 48.647,
138.096


 62, 48.647,
138.096

 2, 48.647, 138.096

 72, 48.647,
138.096

 0, 48.647, 138.096

 82, 48.647,
138.096

 92, 48.647,
138.096

■ 32, 48.647,
138.096

■ 32, 48.647,
138.096

■ 32, 51.924,
137.192

■ 32, 44.381,
139.168

■ 32, 54.276,
136.584

■ 33, 39.299,
140.270

■ 33, 33.607,
141.327

■ 34, 27.487,
142.298

■ 34, 21.094,
143.163

■ 35, 14.560,
143.922

■ 36, 7.986, 144.585

■ 37, 1.451, 145.230

Harmonies

Complementary

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



32, 48.647, 138.096



20, 47.286, 328.925

Rectangle

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



32, 48.647, 138.096



32, 48.647, 188.096



32, 48.647, 318.096



32, 48.647, 8.096

Sweetspot

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



32, 48.647, 138.097



45, 20.422, 143.661



36, 39.731, 104.479



23, 14.043, 143.492



76, 0.009, 296.813



25, 0.004, 296.813

Same Dimension

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



32, 48.647, 138.097



42, 65.471, 136.503



32, 33.760, 155.002



17, 3.605, 144.798



39, 62.560, 136.474



81, 111.965, 136.196

Inverse Universe

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



20, 47.286, 328.925



26, 62.451, 329.380



19, 35.325, 355.310



16, 3.612, 325.666



24, 59.696, 329.391



55, 105.960, 329.472

Previews

White Background



This preview shows how the CIELCh color 32, 48.647, 138.096 looks on a white background.

Color Contrast Check

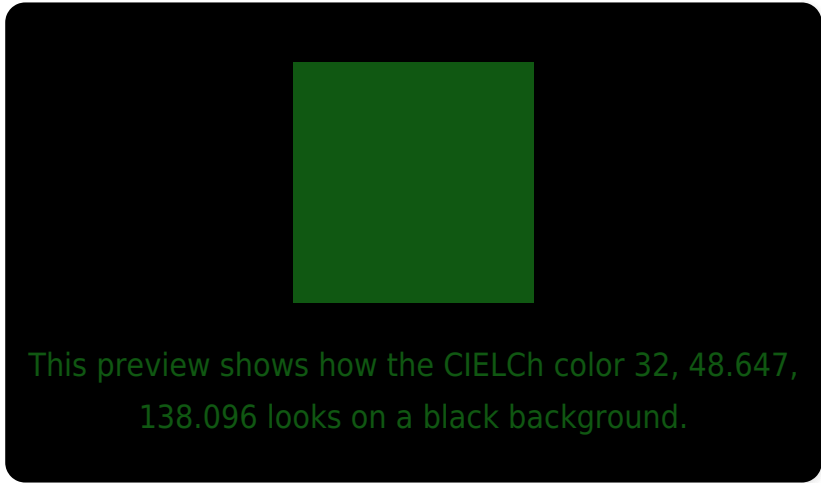
Large Text (above 18pt) WCAG AA ✓ Pass

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

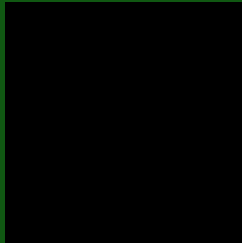
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 48.647, 138.096

Background



This preview shows how black text looks on a background with the CIELCh color 32, 48.647, 138.096.



This preview shows how white text looks on a background with the CIELCh color 32, 48.647, 138.096.

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

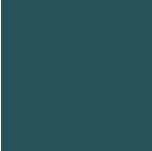
32, 48.647, 138.096

Protanopia

32, 34.960, 95.210

Deuteranopia

32, 30.775, 81.791



Tritanopia
32, 15.305, 211.955

Trichromacy



Original Color
32, 48.647, 138.096

Protanomaly
31, 37.773, 118.961

Deuteranomaly
31, 32.956, 114.846

Tritanomaly
32, 25.026, 162.221

Monochromacy



Original Color
32, 48.647, 138.096

Achromatopsia
24, 0.004, 296.813

Achromatomaly
27, 20.567, 142.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 48.647, 138.096 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(16, 88, 18)` looks like.

```
.text, #text, p{  
    color:rgb(16, 88, 18)  
}
```

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(16, 88, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 88, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 48.647, 138.096 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(16, 88, 18) }
```

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

```
.border{ border-color:rgb(16, 88, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 88, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 88, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 88, 18);  
box-shadow:4px 4px 4px 4px rgb(16, 88, 18)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 48.647, 138.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 88, 18) }
```

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

```
.background{ background-color: rgb(16, 88,  
18) }
```

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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