

Converting Colors

CIELCh(30, 48.759, 129.896)

Have a look what the booklet for
CIELCh(30, 48.759, 129.896)
contains.

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Color

CIELCh(30, 48.438, 130.062)

Conversions

Conversions Part 1

Format	Color
Hex	1F5100
RGB	31, 81, 0
RGB Percent	12%, 32%, 0%
CMY	0.8769, 0.6810, 0.9988
CMYK	0.61, 0.00, 1.00, 0.68
HSL	97°, 99%, 16%
HSV	97°, 100%, 32%
XYZ	3.5478, 6.2359, 1.0256
YIQ	56.8160, -3.7990, -35.7910

Conversions

Conversions Part 2

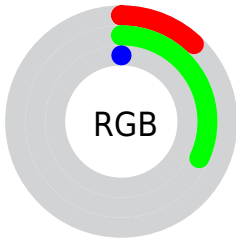
Format	Color
RYB	0, 81, 50
Decimal	2052352
CIELab	30.00, -31.18, 37.07
CIELCh	30, 48.438, 130.062
Yxy	6.2359, 0.3282, 0.5769
Android (android.graphics.Color)	4280242432 (0xFF1F5100)
YUV	56.8160, -28.0103, -22.6406
Hunter-Lab	24.9718, -18.3406, 15.0451

Details

The CIELCh color **30, 48.438, 130.062** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **11, 52.592, 315.766**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 48.227, 130.066**, and **11, 27.694, 143.266** is the 20% darker color. If you saturate the color by 10%, you get **30, 48.576, 130.050**, and if you desaturate by 10%, it is **30, 45.022, 130.157**.

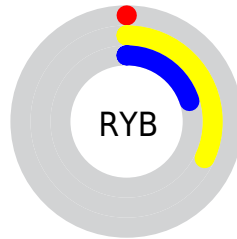
Distribution



Red (12%)

Green (32%)

Blue (0%)



Red (0%)

Yellow (32%)

Blue (20%)

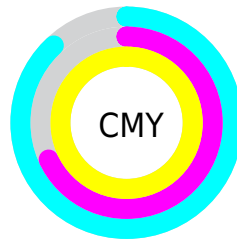


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (68%)



Cyan (88%)


Magenta (68%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 48.438, 130.062 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 30, 48.438, 130.062 by changing the saturation by 10% instead.


 30, 48.438,
130.062


 30, 48.438,
130.062

 100, 48.438,
130.062


 20, 48.438,
130.062


 50, 48.438,
130.062


 10, 48.438,
130.062

 60, 48.438,
130.062

 0, 48.438, 130.062

 70, 48.438,
130.062

 80, 48.438,
130.062

 90, 48.438,
130.062

■ 30, 48.438,
130.062

■ 30, 48.438,
130.062

■ 30, 48.576,
130.050

■ 30, 45.022,
130.157

■ 31, 41.502,
130.037

■ 31, 37.268,
130.174

■ 31, 32.499,
130.488

■ 32, 27.365,
130.898

■ 32, 21.998,
131.351

■ 33, 16.495,
131.810

■ 33, 10.926,

132.254

■ 34, 5.342, 132.677

Harmonies

Complementary

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



30, 48.438, 130.062



11, 52.592, 315.766

Rectangle

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



30, 48.438, 130.062



30, 48.438, 180.062



30, 48.438, 310.062



30, 48.438, 0.062

Sweetspot

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



30, 48.438, 130.063



42, 20.556, 131.746



24, 34.642, 71.869



21, 14.131, 131.635



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



30, 48.438, 130.063



39, 58.143, 130.571



29, 49.673, 138.048



16, 3.112, 132.713



82, 105.468, 131.590

Inverse Universe

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



11, 52.592, 315.766



16, 62.953, 315.427



17, 46.816, 332.243



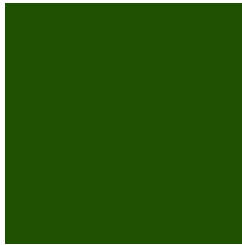
15, 3.141, 313.340



41, 113.481, 314.707

Previews

White Background



This preview shows how the CIELCh color 30, 48.438, 130.062 looks on a white background.

Color Contrast Check

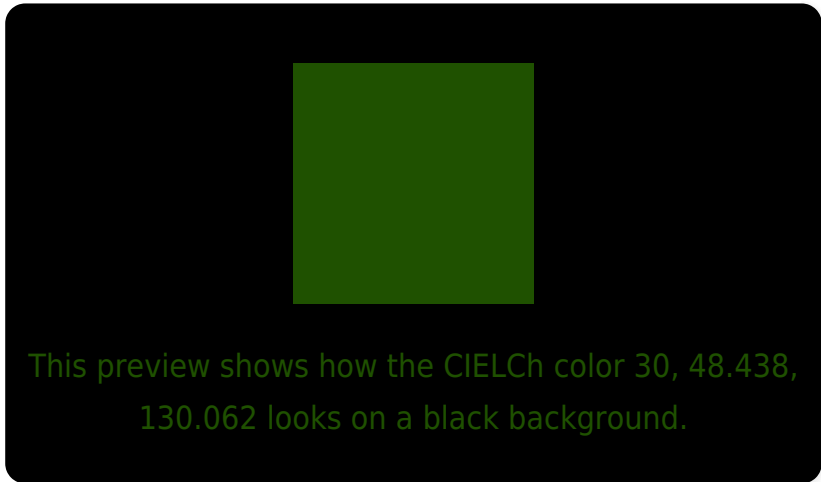
Large Text (above 18pt) WCAG AA ✓ Pass

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

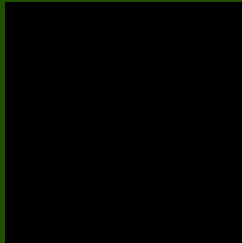
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 48.438, 130.062

Background



This preview shows how black text looks on a background with the CIELCh color 30, 48.438, 130.062.



This preview shows how white text looks on a background with the CIELCh color 30, 48.438, 130.062.

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

30, 48.438, 130.062

Protanopia

30, 38.862, 95.772

Deuteranopia

30, 32.508, 83.089



Tritanopia
30, 12.017, 216.625

Trichromacy



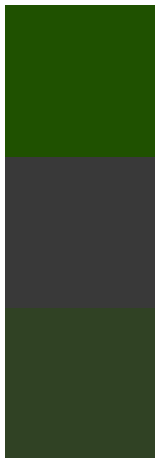
Original Color
30, 48.438, 130.062

Protanomaly
30, 40.672, 112.304

Deuteranomaly
29, 34.799, 107.034

Tritanomaly
30, 23.226, 150.919

Monochromacy



Original Color
30, 48.438, 130.062

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 21.059, 130.619

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 48.438, 130.062 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(31, 81, 0)` looks like.

```
.text, #text, p{  
    color:rgb(31, 81, 0)  
}
```

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(31, 81, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 81, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 48.438, 130.062 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(31, 81, 0) }
```

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

```
.border{ border-color:rgb(31, 81, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 81, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 81, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(31, 81, 0); box-shadow:4px  
4px 4px 4px rgb(31, 81, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 48.438, 130.062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 81, 0) }
```

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

```
.background{ background-color: rgb(31, 81,  
0) }
```

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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