

Converting Colors

CIELCh(48, 73.815, 135.912)

Have a look what the booklet for
CIELCh(48, 73.815, 135.912)
contains.

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Color

CIELCh(48, 73.774, 135.924)

Conversions

Conversions Part 1

Format	Color
Hex	028500
RGB	2, 133, 0
RGB Percent	1%, 52%, 0%
CMY	0.9919, 0.4783, 0.9998
CMYK	0.98, 0.00, 1.00, 0.48
HSL	119°, 100%, 26%
HSV	119°, 100%, 52%
XYZ	8.4165, 16.7945, 2.7991
YIQ	78.6690, -35.3830, -69.1350

Conversions

Conversions Part 2

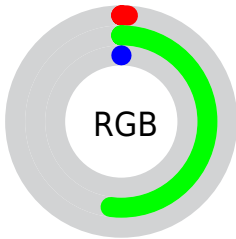
Format	Color
RYB	0, 133, 131
Decimal	165120
CIELab	48.00, -53.00, 51.32
CIELCh	48, 73.774, 135.924
Yxy	16.7945, 0.3005, 0.5996
Android (android.graphics.Color)	4278355200 (0xFF028500)
YUV	78.6690, -38.7838, -67.2387
Hunter-Lab	40.9810, -35.0571, 24.6371

Details

The CIELCh color **48, 73.774, 135.924** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **31, 71.317, 327.649**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **68, 73.494, 135.912**, and **29, 52.535, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **48, 73.783, 135.923**, and if you desaturate by 10%, it is **48, 70.992, 136.483**.

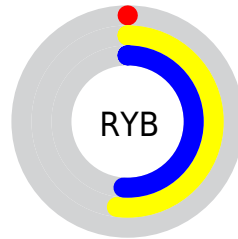
Distribution



Red (1%)

Green (52%)

Blue (0%)



Red (0%)

Yellow (52%)

Blue (51%)

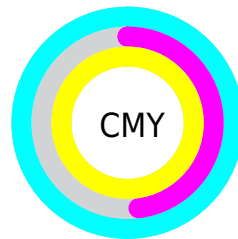


Cyan (98%)

Magenta (0%)

Yellow (100%)

Black (48%)



Cyan (99%)

Magenta (48%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 73.774, 135.924 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 48, 73.774, 135.924 by changing the saturation by 10% instead.


 48, 73.774,
135.924


 48, 73.774,
135.924


 100, 73.774,
135.924

 38, 73.774,
135.924

 68, 73.774,
135.924


 28, 73.774,
135.924

 78, 73.774,
135.924

 18, 73.774,
135.924

 88, 73.774,
135.924

 8, 73.774, 135.924

 98, 73.774,
135.924


 0, 73.774, 135.924

 48, 73.774,

 48, 73.774,

135.924

135.924


 48, 73.783,
135.923


 48, 70.992,
136.483


 48, 66.891,
137.207

 49, 61.123,
138.158

 49, 54.023,
139.207

 50, 45.944,
140.247

 51, 37.197,
141.216

 52, 28.042,
142.084

 53, 18.685,
142.843

Harmonies

Complementary

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



48, 73.774, 135.924



31, 71.317, 327.649

Rectangle

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



48, 73.774, 135.924



48, 73.774, 185.924



48, 73.774, 315.924



48, 73.774, 5.924

Sweetspot

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



48, 73.773, 135.925



66, 34.855, 142.025



53, 59.048, 101.829



34, 23.645, 141.725



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 73.773, 135.925



62, 89.619, 135.948



48, 55.074, 149.007



27, 5.237, 143.557



47, 72.584, 135.920



1, 1.249, 144.041

Inverse Universe

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



31, 71.317, 327.649



41, 86.604, 327.636



28, 52.584, 359.207



26, 5.247, 324.489



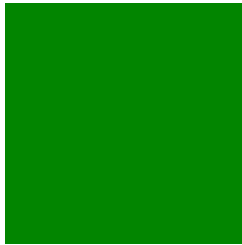
30, 70.168, 327.651



0, 1.250, 324.036

Previews

White Background



This preview shows how the CIELCh color 48, 73.774, 135.924 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 × Fail

Black Background



This preview shows how the CIE LCh color 48, 73.774, 135.924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

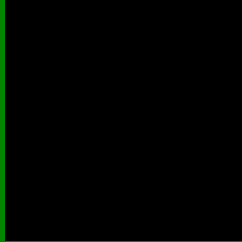
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 73.774, 135.924

Background



This preview shows how black text looks on a background with the CIELCh color 48, 73.774, 135.924.



This preview shows how white text looks on a background with the CIELCh color 48, 73.774, 135.924.

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


48, 73.774, 135.924

Protanopia

48, 53.971, 95.537

Deuteranopia

48, 46.935, 82.485



Tritanopia
48, 21.866, 213.128

Trichromacy



Original Color
48, 73.774, 135.924

Protanomaly
46, 59.079, 120.395

Deuteranomaly
46, 52.035, 116.363

Tritanomaly
47, 39.983, 157.433

Monochromacy



Original Color
48, 73.774, 135.924

Achromatopsia
34, 0.005, 296.813

Achromatomaly
38, 35.757, 140.344

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 73.774, 135.924 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(2, 133, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 133, 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(2, 133, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 133, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 73.774, 135.924 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(2, 133, 0) }
```

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

```
.border{ border-color:rgb(2, 133, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 133, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 133, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 133, 0); box-shadow:4px  
4px 4px 4px rgb(2, 133, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 73.774, 135.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 133, 0) }
```

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

```
.background{ background-color: rgb(2, 133,  
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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