

Converting Colors

CIELCh(47, 72.674, 136.010)

Have a look what the booklet for
CIELCh(47, 72.674, 136.010)
contains.

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Color

CIELCh(47, 72.611, 135.967)

Conversions

Conversions Part 1

Format	Color
Hex	028200
RGB	2, 130, 0
RGB Percent	1%, 51%, 0%
CMY	0.9941, 0.4895, 0.9990
CMYK	0.99, 0.00, 1.00, 0.49
HSL	119°, 100%, 26%
HSV	119°, 100%, 51%
XYZ	8.0248, 16.0195, 2.6763
YIQ	76.9080, -34.5580, -67.5660

Conversions

Conversions Part 2

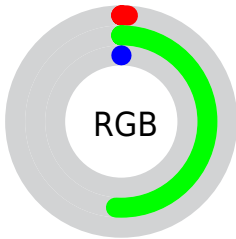
Format	Color
RYB	0, 130, 128
Decimal	164352
CIELab	47.00, -52.20, 50.47
CIELCh	47, 72.611, 135.967
Yxy	16.0195, 0.3003, 0.5995
Android (android.graphics.Color)	4278354432 (0xFF028200)
YUV	76.9080, -37.9156, -65.6943
Hunter-Lab	40.0243, -34.2536, 24.0525

Details

The CIELCh color **47, 72.611, 135.967** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **30, 70.150, 327.863**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 72.478, 135.864**, and **28, 51.215, 136.020** is the 20% darker color. If you saturate the color by 10%, you get **47, 72.667, 135.956**, and if you desaturate by 10%, it is **47, 69.814, 136.545**.

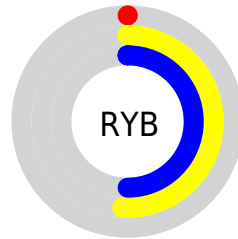
Distribution



Red (1%)

Green (51%)

Blue (0%)



Red (0%)

Yellow (51%)

Blue (50%)

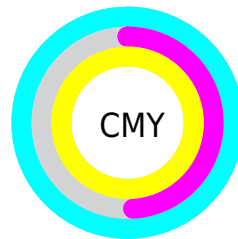


Cyan (99%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (99%)

Magenta (49%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 72.611, 135.967 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 47, 72.611, 135.967 by changing the saturation by 10% instead.

 47, 72.611,
135.967


 47, 72.611,
135.967

 100, 72.611,
135.967


 37, 72.611,
135.967

 67, 72.611,
135.967


 27, 72.611,
135.967


 77, 72.611,
135.967

 17, 72.611,
135.967

 87, 72.611,
135.967

 7, 72.611, 135.967

 97, 72.611,
135.967

 0, 72.611, 135.967

 47, 72.611,

 47, 72.611,

135.967

135.967

■ 47, 72.667,
135.956

■ 47, 69.814,
136.545

■ 47, 65.743,
137.298

■ 48, 60.040,
138.272

■ 48, 53.036,
139.336

■ 49, 45.074,
140.387

■ 50, 36.461,
141.363

■ 51, 27.447,
142.235

■ 52, 18.236,
142.997

Harmonies

Complementary

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



47, 72.611, 135.967



30, 70.150, 327.863

Rectangle

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



47, 72.611, 135.967



47, 72.611, 185.967



47, 72.611, 315.967



47, 72.611, 5.967

Sweetspot

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



47, 72.610, 135.968



64, 34.079, 142.163



52, 58.090, 101.837



33, 23.110, 141.866



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



47, 72.610, 135.968



60, 87.691, 135.972



47, 54.100, 149.090



27, 5.247, 143.702



47, 72.619, 135.956



1, 1.252, 144.189

Inverse Universe

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



30, 70.150, 327.863



40, 84.692, 327.856



27, 51.750, 359.064



26, 5.256, 324.641



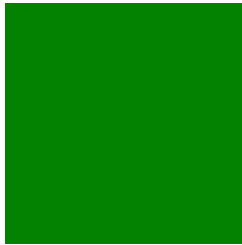
30, 70.151, 327.865



0, 1.252, 324.185

Previews

White Background



This preview shows how the CIELCh color 47, 72.611, 135.967 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 CIELCh color 47, 72.611, 135.967 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

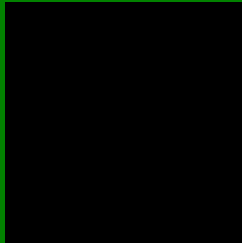
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 72.611, 135.967

Background



This preview shows how black text looks on a background with the CIELCh color 47, 72.611, 135.967.



This preview shows how white text looks on a background with the CIELCh color 47, 72.611, 135.967.

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
47, 72.562, 135.919

Protanopia
47, 52.981, 95.363

Deuteranopia
47, 46.169, 82.002



Tritanopia
47, 21.385, 213.581

Trichromacy



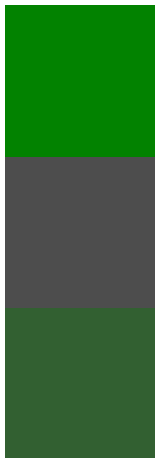
Original Color
47, 72.562, 135.919

Protanomaly
45, 58.007, 120.343

Deuteranomaly
45, 50.824, 116.229

Tritanomaly
46, 39.097, 157.340

Monochromacy



Original Color
47, 72.562, 135.919

Achromatopsia
33, 0.005, 296.813

Achromatomaly
36, 34.508, 140.395

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 72.611, 135.967 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, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(2, 130, 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, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 130, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 72.611, 135.967 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, 130, 0) }
```

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

```
.border{ border-color:rgb(2, 130, 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, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 130, 0); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 130, 0); box-shadow:4px  
4px 4px 4px rgb(2, 130, 0) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 72.611, 135.967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 130, 0) }
```

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

```
.background{ background-color: rgb(2, 130,  
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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