

Converting Colors

CIELCh(47, 71.376, 134.672)

Have a look what the booklet for
CIELCh(47, 71.376, 134.672)
contains.

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Color

CIELCh(47, 71.412, 134.732)

Conversions

Conversions Part 1

Format	Color
Hex	158200
RGB	21, 130, 0
RGB Percent	8%, 51%, 0%
CMY	0.9168, 0.4918, 1.0000
CMYK	0.84, 0.00, 1.00, 0.49
HSL	110°, 100%, 25%
HSV	110°, 100%, 51%
XYZ	8.2400, 16.0195, 2.6403
YIQ	82.5890, -23.2340, -63.5380

Conversions

Conversions Part 2

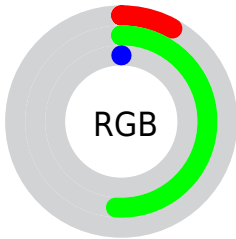
Format	Color
RYB	0, 130, 109
Decimal	1409536
CIELab	47.00, -50.26, 50.73
CIELCh	47, 71.412, 134.732
Yxy	16.0195, 0.3063, 0.5955
Android (android.graphics.Color)	4279599616 (0xFF158200)
YUV	82.5890, -40.7164, -54.0136
Hunter-Lab	40.0243, -33.2937, 24.1057

Details

The CIELCh color **47, 71.412, 134.732** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **26, 70.885, 322.171**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 71.514, 134.773**, and **28, 51.215, 136.020** is the 20% darker color. If you saturate the color by 10%, you get **47, 71.309, 134.790**, and if you desaturate by 10%, it is **47, 68.127, 134.893**.

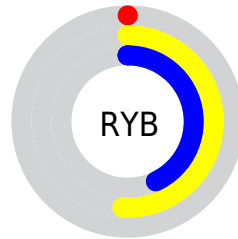
Distribution



Red (8%)

Green (51%)

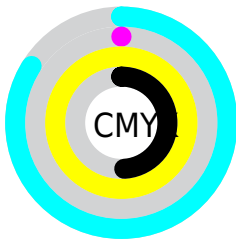
Blue (0%)



Red (0%)

Yellow (51%)

Blue (43%)

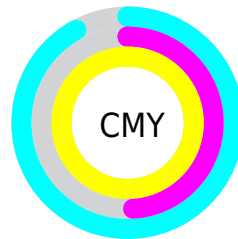


Cyan (84%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (92%)


Magenta (49%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 71.412, 134.732 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, 71.412, 134.732 by changing the saturation by 10% instead.


 47, 71.412,
134.732


 47, 71.412,
134.732


 100, 71.412,
134.732


 37, 71.412,
134.732

 67, 71.412,
134.732


 27, 71.412,
134.732

 77, 71.412,
134.732

 17, 71.412,
134.732

 87, 71.412,
134.732

 7, 71.412, 134.732

 97, 71.412,
134.732

 0, 71.412, 134.732

 47, 71.412,

 47, 71.412,

134.732

134.732

■ 47, 71.309,
134.790

■ 47, 68.127,
134.893

■ 48, 63.729,
135.096

■ 48, 57.865,
135.579

■ 49, 50.878,
136.227

■ 49, 43.100,
136.937

■ 50, 34.806,
137.642

■ 51, 26.207,
138.304

■ 52, 17.464,
138.904

Harmonies

Complementary

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



47, 71.412, 134.732



26, 70.885, 322.171

Rectangle

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



47, 71.412, 134.732



47, 71.412, 184.732



47, 71.412, 314.732



47, 71.412, 4.732

Sweetspot

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



47, 71.309, 134.790



65, 32.443, 138.260



46, 52.703, 91.113



33, 22.011, 138.033



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, 71.309, 134.790



60, 86.530, 134.988



47, 61.698, 142.880



26, 4.834, 139.489



46, 70.459, 134.775



0, 0.000, 0.000

Inverse Universe

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



26, 70.885, 322.171



35, 85.831, 322.039



28, 55.063, 346.663



25, 4.856, 320.262



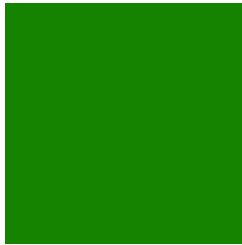
26, 70.051, 322.180



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 71.412, 134.732 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, 71.412, 134.732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

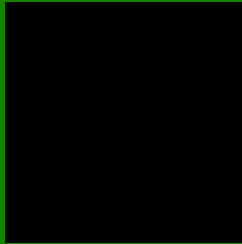
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 71.412, 134.732

Background



This preview shows how black text looks on a background with the CIELCh color 47, 71.412, 134.732.



This preview shows how white text looks on a background with the CIELCh color 47, 71.412, 134.732.

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, 71.491, 134.816

Protanopia

47, 52.981, 95.363

Deuteranopia

47, 45.959, 82.556



Tritanopia
47, 20.724, 214.190

Trichromacy



Original Color
47, 71.491, 134.816

Protanomaly
46, 57.043, 117.509

Deuteranomaly
45, 50.209, 113.197

Tritanomaly
46, 37.184, 156.320

Monochromacy



Original Color
47, 71.491, 134.816

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 32.875, 137.052

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 71.412, 134.732 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(21, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(21, 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(21, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 130, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 71.412, 134.732 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(21, 130, 0) }
```

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

```
.border{ border-color:rgb(21, 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(21, 130, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(21, 130, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 71.412, 134.732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 130, 0) }
```

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

```
.background{ background-color: rgb(21, 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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