

Converting Colors

CIELCh(47, 72.214, 135.915)

Have a look what the booklet for
CIELCh(47, 72.214, 135.915)
contains.

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Color

CIELCh(47, 72.248, 135.868)

Conversions

Conversions Part 1

Format	Color
Hex	058201
RGB	5, 130, 1
RGB Percent	2%, 51%, 0%
CMY	0.9795, 0.4899, 0.9956
CMYK	0.96, 0.00, 0.99, 0.49
HSL	118°, 98%, 26%
HSV	118°, 99%, 51%
XYZ	8.0630, 16.0195, 2.6988
YIQ	77.9190, -33.0910, -66.6190

Conversions

Conversions Part 2

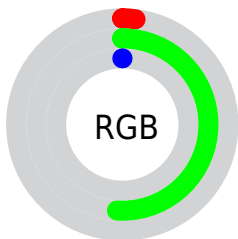
Format	Color
R_{YB}	1, 130, 126
Decimal	360961
CIE _{Lab}	47.00, -51.86, 50.31
CIE _{LCh}	47, 72.248, 135.868
Yxy	16.0195, 0.3011, 0.5982
Android (android.graphics.Color)	4278551041 (0xFF058201)
YUV	77.9190, -37.9211, -63.9500
Hunter-Lab	40.0243, -34.0831, 24.0191

Details

The CIELCh color **47, 72.248, 135.868** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **30, 70.029, 327.013**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 71.960, 135.872**, and **28, 51.215, 136.020** is the 20% darker color. If you saturate the color by 10%, you get **47, 72.487, 135.815**, and if you desaturate by 10%, it is **47, 69.392, 136.408**.

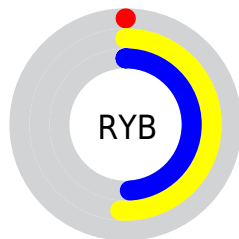
Distribution



Red (2%)

Green (51%)

Blue (0%)



Red (0%)

Yellow (51%)

Blue (49%)

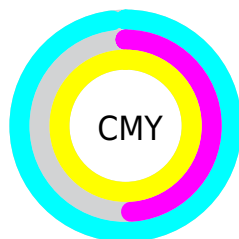


Cyan (96%)

Magenta (0%)

Yellow (99%)

Black (49%)



Cyan (98%)

Magenta (49%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 72.248, 135.868 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, 72.248, 135.868 by changing the saturation by 10% instead.

 47, 72.248,
135.868

 47, 72.248,
135.868

 100, 72.248,
135.868

 37, 72.248,
135.868

 67, 72.248,
135.868

 27, 72.248,
135.868

 77, 72.248,
135.868

 17, 72.248,
135.868

 87, 72.248,
135.868

 7, 72.248, 135.868

 97, 72.248,
135.868

 0, 72.248, 135.868

 47, 72.248,

 47, 72.248,

135.868

135.868

■ 47, 72.487,
135.815

■ 47, 69.392,
136.408

■ 47, 65.140,
137.097

■ 48, 59.301,
138.004

■ 48, 52.213,
139.004

■ 49, 44.217,
139.998

■ 50, 35.611,
140.924

■ 51, 26.638,
141.755

■ 52, 17.489,
142.484

Harmonies

Complementary

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



47, 72.248, 135.868



30, 70.029, 327.013

Rectangle

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



47, 72.248, 135.868



47, 72.248, 185.868



47, 72.248, 315.868



47, 72.248, 5.868

Sweetspot

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



47, 72.248, 135.869



64, 33.837, 141.634



51, 57.220, 100.811



33, 22.948, 141.349



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, 72.248, 135.869



60, 87.566, 135.868



47, 54.732, 148.419



27, 5.209, 143.121



47, 72.479, 135.815



1, 1.243, 143.594

Inverse Universe

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



30, 70.029, 327.013



39, 84.786, 326.989



27, 51.851, 357.375



26, 5.220, 324.033



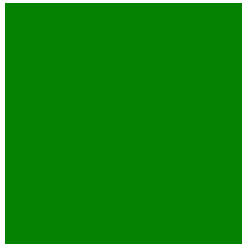
30, 70.226, 327.016



0, 1.243, 323.590

Previews

White Background



This preview shows how the CIELCh color 47, 72.248, 135.868 looks on a white background.

Color Contrast Check

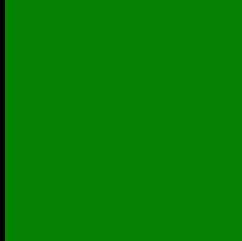
Large Text (above 18pt) WCAG AA ✓ Pass

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, 72.248, 135.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

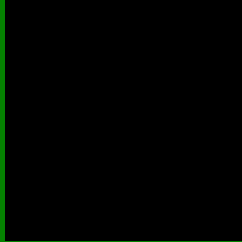
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 72.248, 135.868

Background



This preview shows how black text looks on a background with the CIELCh color 47, 72.248, 135.868.



This preview shows how white text looks on a background with the CIELCh color 47, 72.248, 135.868.

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, 72.248, 135.868

Protanopia

47, 52.981, 95.363

Deuteranopia

47, 46.169, 82.002



Tritanopia
47, 21.385, 213.581

Trichromacy



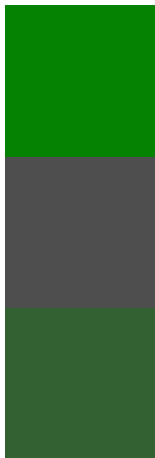
Original Color
47, 72.248, 135.868

Protanomaly
45, 57.863, 119.952

Deuteranomaly
45, 50.711, 115.735

Tritanomaly
46, 38.524, 157.810

Monochromacy



Original Color
47, 72.248, 135.868

Achromatopsia
33, 0.005, 296.813

Achromatomaly
37, 34.251, 139.983

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 72.248, 135.868 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(5, 130, 1)` looks like.

```
.text, #text, p{  
    color:rgb(5, 130, 1)  
}
```

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(5, 130, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 130, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 72.248, 135.868 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(5, 130, 1) }
```

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

```
.border{ border-color:rgb(5, 130, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 130, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 130, 1); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 130, 1); box-shadow:4px  
4px 4px 4px rgb(5, 130, 1) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 72.248, 135.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 130, 1) }
```

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

```
.background{ background-color: rgb(5, 130,  
1) }
```

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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