

Converting Colors

CIELCh(45, 86.744, 148.715)

Have a look what the booklet for
CIELCh(45, 86.744, 148.715)
contains.

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Color

CIELCh(47, 70.332, 137.360)

Conversions

Conversions Part 1

Format	Color
Hex	00820E
RGB	0, 130, 14
RGB Percent	0%, 51%, 5%
CMY	0.9991, 0.4899, 0.9446
CMYK	1.00, 0.00, 0.89, 0.49
HSL	126°, 100%, 26%
HSV	126°, 100%, 51%
XYZ	8.0759, 16.0195, 3.0860
YIQ	77.9060, -40.2440, -63.6360

Conversions

Conversions Part 2

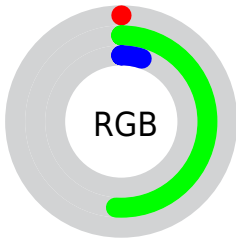
Format	Color
RYB	0, 117, 130
Decimal	33294
CIELab	47.00, -51.74, 47.64
CIELCh	47, 70.332, 137.360
Yxy	16.0195, 0.2971, 0.5894
Android (android.graphics.Color)	4278223374 (0xFF00820E)
YUV	77.9060, -31.5057, -68.3236
Hunter-Lab	40.0243, -34.0255, 23.4455

Details

The CIELCh color **47, 70.332, 137.360** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **29, 64.615, 332.845**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **67, 70.066, 137.384**, and **28, 51.215, 136.020** is the 20% darker color. If you saturate the color by 10%, you get **47, 70.383, 137.349**, and if you desaturate by 10%, it is **47, 66.950, 138.358**.

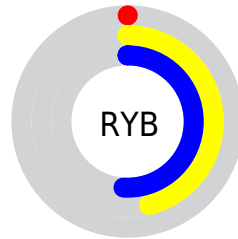
Distribution



Red (0%)

Green (51%)

Blue (5%)



Red (0%)

Yellow (46%)

Blue (51%)

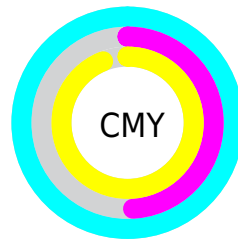


Cyan (100%)

Magenta (0%)

Yellow (89%)

Black (49%)



Cyan (100%)


Magenta (49%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 70.332, 137.360 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, 70.332, 137.360 by changing the saturation by 10% instead.


 47, 70.332,
137.360

 47, 70.332,
137.360


 100, 70.332,
137.360


 37, 70.332,
137.360

 67, 70.332,
137.360


 27, 70.332,
137.360

 77, 70.332,
137.360

 17, 70.332,
137.360

 87, 70.332,
137.360

 7, 70.332, 137.360

 97, 70.332,
137.360

 0, 70.332, 137.360

 47, 70.332,

 47, 70.332,

137.360

137.360

■ 47, 70.383,
137.349

■ 47, 66.950,
138.358

■ 47, 62.308,
139.647

■ 48, 56.462,
140.980

■ 48, 49.642,
142.265

■ 49, 42.081,
143.448

■ 50, 33.994,
144.503

■ 51, 25.578,
145.427

■ 52, 16.996,
146.230

Harmonies

Complementary

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



47, 70.332, 137.360



29, 64.615, 332.845

Rectangle

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



47, 70.332, 137.360



47, 70.332, 187.360



47, 70.332, 317.360



47, 70.332, 7.360

Sweetspot

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



47, 70.332, 137.361



64, 31.756, 145.353



52, 59.167, 108.788



33, 21.539, 145.040



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, 70.332, 137.361



60, 85.522, 137.074



48, 47.713, 155.544



27, 4.888, 146.973



47, 70.371, 137.349



1, 1.166, 147.487

Inverse Universe

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



29, 64.615, 332.845



39, 77.892, 332.970



27, 51.295, 9.919



26, 4.899, 327.967



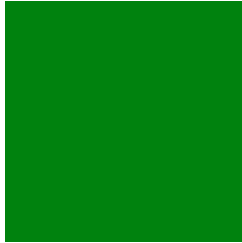
29, 64.638, 332.853



0, 1.167, 327.482

Previews

White Background



This preview shows how the CIELCh color 47, 70.332, 137.360 looks on a white background.

Color Contrast Check

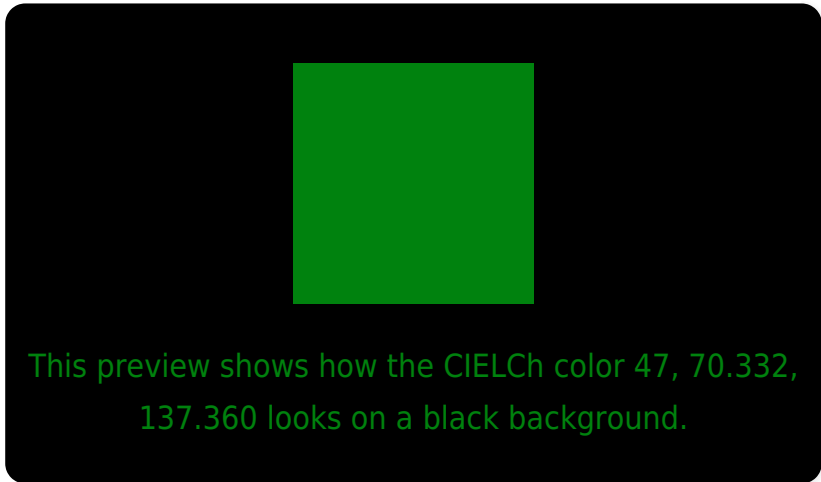
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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, 70.332, 137.360

Background



This preview shows how black text looks on a background with the CIELCh color 47, 70.332, 137.360.



This preview shows how white text looks on a background with the CIELCh color 47, 70.332, 137.360.

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, 70.332, 137.360

Protanopia

47, 51.865, 95.359

Deuteranopia

47, 44.791, 82.192



Tritanopia
47, 21.593, 213.402

Trichromacy



Original Color
47, 70.332, 137.360

Protanomaly
45, 56.385, 121.023

Deuteranomaly
45, 48.728, 117.571

Tritanomaly
46, 37.329, 160.870

Monochromacy



Original Color
47, 70.332, 137.360

Achromatopsia
33, 0.005, 296.813

Achromatomaly
37, 32.288, 143.753

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 70.332, 137.360 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(0, 130, 14)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 14)  
}
```

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(0, 130, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 70.332, 137.360 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(0, 130, 14) }
```

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

```
.border{ border-color:rgb(0, 130, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 14);  
box-shadow:4px 4px 4px 4px rgb(0, 130, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 70.332, 137.360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 14) }
```

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

```
.background{ background-color: rgb(0, 130,  
14) }
```

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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