

Converting Colors

CIELCh(63, 83.836, 131.089)

Have a look what the booklet for
CIELCh(63, 83.836, 131.089)
contains.

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Color

CIELCh(63, 83.766, 131.078)

Conversions

Conversions Part 1

Format	Color
Hex	46AE05
RGB	70, 174, 5
RGB Percent	27%, 68%, 2%
CMY	0.7255, 0.3176, 0.9803
CMYK	0.60, 0.00, 0.97, 0.32
HSL	97°, 94%, 35%
HSV	97°, 97%, 68%
XYZ	17.6903, 31.5869, 5.3083
YIQ	123.6380, -7.7350, -74.6070

Conversions

Conversions Part 2

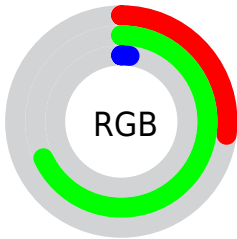
Format	Color
RYB	5, 174, 109
Decimal	4632069
CIELab	63.00, -55.04, 63.14
CIElCh	63, 83.766, 131.078
Yxy	31.5869, 0.3241, 0.5787
Android (android.graphics.Color)	4282822149 (0xFF46AE05)
YUV	123.6380, -58.4885, -47.0405
Hunter-Lab	56.2022, -42.1689, 33.7416

Details

The CIELCh color **63, 83.766, 131.078** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **30, 90.309, 315.039**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **83, 83.415, 130.989**, and **43, 68.595, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 84.753, 131.287**, and if you desaturate by 10%, it is **63, 79.826, 130.341**.

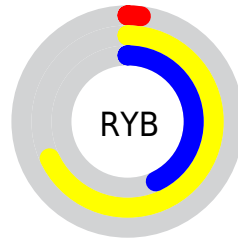
Distribution



Red (27%)

Green (68%)

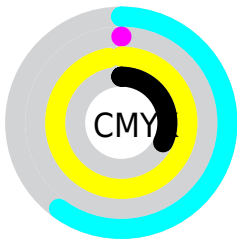
Blue (2%)



Red (2%)

Yellow (68%)

Blue (43%)

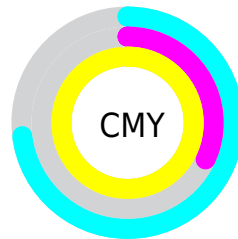


Cyan (60%)

Magenta (0%)

Yellow (97%)

Black (32%)



Cyan (73%)


Magenta (32%)


Yellow (98%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 83.766, 131.078 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 63, 83.766, 131.078 by changing the saturation by 10% instead.

 63, 83.766,
131.078


 63, 83.766,
131.078


 100, 83.766,
131.078


 53, 83.766,
131.078


 83, 83.766,
131.078

 43, 83.766,
131.078

 93, 83.766,
131.078

 33, 83.766,
131.078

 23, 83.766,
131.078

 13, 83.766,
131.078

 3, 83.766, 131.078

 0, 83.766, 131.078

■ 63, 83.766,
131.078

■ 63, 83.766,
131.078

■ 63, 84.753,
131.287

■ 63, 79.826,
130.341

■ 64, 74.023,
130.026

■ 64, 66.575,
130.079

■ 65, 57.916,
130.374

■ 66, 48.444,
130.804

■ 67, 38.464,
131.291

■ 68, 28.196,
131.788

■ 69, 17.795,

132.269

■ 70, 7.373, 132.725

Harmonies

Complementary

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



63, 83.766, 131.078



30, 90.309, 315.039

Rectangle

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



63, 83.766, 131.078



63, 83.766, 181.078



63, 83.766, 311.078



63, 83.766, 1.078

Sweetspot

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



63, 83.766, 131.079



86, 37.413, 131.670



51, 61.107, 70.235



45, 25.845, 131.461



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



63, 83.766, 131.079



80, 103.667, 131.549



62, 87.007, 137.176



36, 5.858, 132.626



55, 75.996, 131.112



6, 12.610, 135.302

Inverse Universe

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



30, 90.309, 315.039



40, 111.606, 314.695



40, 79.837, 332.504



34, 5.918, 313.365



25, 82.033, 315.010



1, 12.101, 309.752

Previews

White Background



This preview shows how the CIELCh color 63, 83.766, 131.078 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 63, 83.766, 131.078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

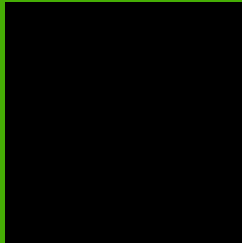
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 83.766, 131.078

Background



This preview shows how black text looks on a background with the CIELCh color 63, 83.766, 131.078.



This preview shows how white text looks on a background with the CIELCh color 63, 83.766, 131.078.

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

63, 83.766, 131.078

Protanopia

63, 66.503, 95.200

Deuteranopia

63, 59.465, 82.584



Tritanopia
63, 21.518, 217.723

Trichromacy



Original Color
63, 83.766, 131.078



Protanomaly
62, 69.316, 112.572



Deuteranomaly
61, 62.664, 107.056



Tritanomaly
62, 41.422, 150.834

Monochromacy



Original Color
63, 83.766, 131.078



Achromatopsia
52, 0.007, 296.813



Achromatomaly
55, 37.668, 131.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 83.766, 131.078 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(70, 174, 5)` looks like.

```
.text, #text, p{  
    color:rgb(70, 174, 5)  
}
```

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(70, 174, 5) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 174, 5) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 83.766, 131.078 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(70, 174, 5) }
```

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

```
.border{ border-color:rgb(70, 174, 5) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 174, 5)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 174, 5); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 174, 5);  
box-shadow:4px 4px 4px 4px rgb(70, 174, 5)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 63, 83.766, 131.078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 174, 5) }
```

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

```
.background{ background-color: rgb(70, 174,  
5) }
```

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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