

Converting Colors

CIELCh(64, 72.596, 131.790)

Have a look what the booklet for
CIELCh(64, 72.596, 131.790)
contains.

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Color

CIELCh(64, 72.898, 131.784)

Conversions

Conversions Part 1

Format	Color
Hex	58AF2F
RGB	88, 175, 47
RGB Percent	35%, 69%, 18%
CMY	0.6562, 0.3149, 0.8169
CMYK	0.50, 0.00, 0.73, 0.31
HSL	101°, 58%, 43%
HSV	101°, 73%, 69%
XYZ	19.7706, 32.8017, 7.9447
YIQ	134.3950, -10.7640, -58.2520

Conversions

Conversions Part 2

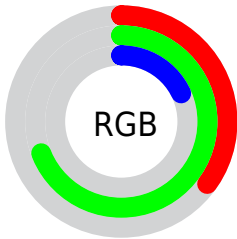
Format	Color
RYB	47, 175, 134
Decimal	5812015
CIELab	64.00, -48.57, 54.36
CIELCh	64, 72.898, 131.784
Yxy	32.8017, 0.3267, 0.5420
Android (android.graphics.Color)	4284002095 (0xFF58AF2F)
YUV	134.3950, -43.0857, -40.6884
Hunter-Lab	57.2727, -38.6089, 31.8663

Details

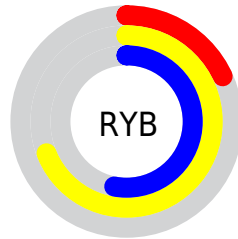
The CIELCh color **64, 72.898, 131.784** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **38, 76.627, 317.646**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 72.810, 131.755**, and **44, 68.053, 134.543** is the 20% darker color. If you saturate the color by 10%, you get **63, 79.477, 131.831**, and if you desaturate by 10%, it is **65, 64.786, 132.039**.

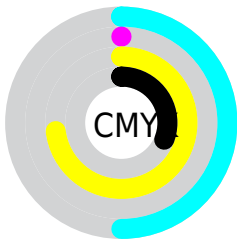
Distribution



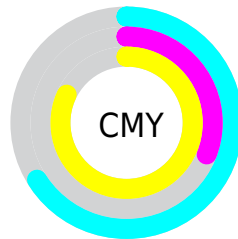
- Red (35%)
- Green (69%)
- Blue (18%)



- Red (18%)
- Yellow (69%)
- Blue (53%)



- Cyan (50%)
- Magenta (0%)
- Yellow (73%)
- Black (31%)



- Cyan (66%)
- Magenta (31%)
- Yellow (82%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 72.898, 131.784 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 64, 72.898, 131.784 by changing the saturation by 10% instead.

 64, 72.898,
131.784

 64, 72.898,
131.784

 100, 72.898,
131.784

 54, 72.898,
131.784

 84, 72.898,
131.784

 44, 72.898,
131.784

 94, 72.898,
131.784

 34, 72.898,
131.784

 24, 72.898,
131.784

 14, 72.898,
131.784

 4, 72.898, 131.784

 0, 72.898, 131.784

■ 64, 72.898,
131.784

■ 64, 72.898,
131.784

■ 63, 79.477,
131.831

■ 65, 64.786,
132.039

■ 63, 84.133,
132.289

■ 65, 55.584,
132.472

■ 63, 86.426,
132.711

■ 66, 45.668,
132.988

■ 67, 35.320,
133.524

■ 68, 24.745,
134.045

■ 70, 14.089,
134.532

■ 71, 3.458, 135.003

■ 72, 7.075, 315.324

■ 74, 17.455,
315.680

Harmonies

Complementary

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



64, 72.898, 131.784



38, 76.627, 317.646

Rectangle

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



64, 72.898, 131.784



64, 72.898, 181.784



64, 72.898, 311.784



64, 72.898, 1.784

Sweetspot

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



64, 72.898, 131.785



87, 28.932, 134.090



58, 50.791, 81.109



46, 19.597, 133.956



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 72.898, 131.785



80, 100.475, 132.065



63, 71.325, 141.873



36, 5.961, 134.716



55, 77.273, 132.550



6, 12.794, 136.950

Inverse Universe

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



38, 76.627, 317.646



44, 105.545, 317.327



43, 68.816, 334.093



34, 6.012, 315.455



27, 81.012, 316.889



2, 12.295, 312.064

Previews

White Background



This preview shows how the CIELCh color 64, 72.898, 131.784 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 64, 72.898, 131.784 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 64, 72.898, 131.784

Background



This preview shows how black text looks on a background with the CIELCh color 64, 72.898, 131.784.



This preview shows how white text looks on a background with the CIELCh color 64, 72.898, 131.784.

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
64, 72.898, 131.784

Protanopia
63, 58.036, 95.151

Deuteranopia
63, 52.217, 80.744



Tritanopia
64, 18.718, 221.033

Trichromacy



Original Color
64, 72.898, 131.784

Protanomaly
63, 60.380, 112.287

Deuteranomaly
62, 53.024, 105.311

Tritanomaly
63, 32.247, 155.800

Monochromacy



Original Color
64, 72.898, 131.784

Achromatopsia
56, 0.007, 296.813

Achromatomaly
58, 29.433, 133.671

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 72.898, 131.784 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(88, 175, 47)` looks like.

```
.text, #text, p{  
    color:rgb(88, 175, 47)  
}
```

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(88, 175, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 175, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 72.898, 131.784 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(88, 175, 47) }
```

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

```
.border{ border-color:rgb(88, 175, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 175, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 175, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 175, 47);  
box-shadow:4px 4px 4px 4px rgb(88, 175,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 72.898, 131.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 175, 47) }
```

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

```
.background{ background-color: rgb(88, 175,  
47) }
```

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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