

Converting Colors

CIELCh(64, 68.044, 132.906)

Have a look what the booklet for
CIELCh(64, 68.044, 132.906)
contains.

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Color

CIELCh(64, 68.159, 132.874)

Conversions

Conversions Part 1

Format	Color
Hex	5BAE3A
RGB	91, 174, 58
RGB Percent	36%, 68%, 23%
CMY	0.6431, 0.3176, 0.7725
CMYK	0.48, 0.00, 0.67, 0.32
HSL	103°, 50%, 45%
HSV	103°, 67%, 68%
XYZ	20.2142, 32.8017, 9.2690
YIQ	135.9590, -12.2320, -53.6720

Conversions

Conversions Part 2

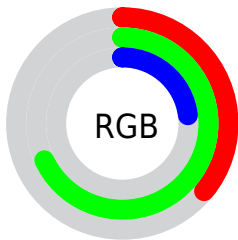
Format	Color
RYB	58, 174, 141
Decimal	6008378
CIELab	64.00, -46.37, 49.95
CIELCh	64, 68.159, 132.874
Yxy	32.8017, 0.3245, 0.5266
Android (android.graphics.Color)	4284198458 (0xFF5BAE3A)
YUV	135.9590, -38.4338, -39.4290
Hunter-Lab	57.2727, -37.2264, 30.4955

Details

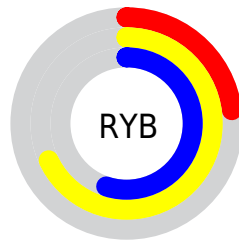
The CIELCh color **64, 68.159, 132.874** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **41, 70.848, 318.687**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 67.924, 133.013**, and **44, 66.943, 133.719** is the 20% darker color. If you saturate the color by 10%, you get **63, 75.825, 132.639**, and if you desaturate by 10%, it is **65, 59.234, 133.316**.

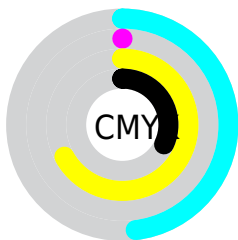
Distribution



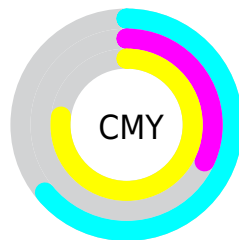
- Red (36%)
- Green (68%)
- Blue (23%)



- Red (23%)
- Yellow (68%)
- Blue (55%)



- Cyan (48%)
- Magenta (0%)
- Yellow (67%)
- Black (32%)



- Cyan (64%)
- Magenta (32%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 68.159, 132.874 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, 68.159, 132.874 by changing the saturation by 10% instead.

 64, 68.159,
132.874

 64, 68.159,
132.874

 100, 68.159,
132.874


 54, 68.159,
132.874


 84, 68.159,
132.874

 44, 68.159,
132.874

 94, 68.159,
132.874

 34, 68.159,
132.874

 24, 68.159,
132.874

 14, 68.159,
132.874

 4, 68.159, 132.874

 0, 68.159, 132.874

■ 64, 68.159,
132.874

■ 64, 68.159,
132.874

■ 63, 75.825,
132.639

■ 65, 59.234,
133.316

■ 63, 81.782,
132.732

■ 66, 49.460,
133.856

■ 63, 85.764,
133.220

■ 67, 39.155,
134.423

■ 62, 86.871,
133.373

■ 68, 28.555,
134.975

■ 69, 17.829,
135.491

■ 70, 7.100, 135.968

■ 72, 3.544, 316.308

■ 73, 14.040,
316.704

■ 75, 24.346,
317.023

Harmonies

Complementary

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



64, 68.159, 132.874



41, 70.848, 318.687

Rectangle

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



64, 68.159, 132.874



64, 68.159, 182.874



64, 68.159, 312.874



64, 68.159, 2.874

Sweetspot

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



64, 68.159, 132.875



87, 26.576, 135.305



60, 47.252, 84.912



46, 18.283, 135.163



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, 68.159, 132.875



81, 96.216, 132.634



63, 64.466, 143.863



36, 6.022, 135.844



55, 77.910, 133.227



6, 12.901, 137.846

Inverse Universe

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



41, 70.848, 318.687



48, 99.967, 318.665



45, 63.082, 335.054



34, 6.068, 316.592



28, 80.488, 318.005



2, 12.418, 313.387

Previews

White Background



This preview shows how the CIELCh color 64, 68.159, 132.874 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, 68.159, 132.874 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, 68.159, 132.874

Background



This preview shows how black text looks on a background with the CIELCh color 64, 68.159, 132.874.



This preview shows how white text looks on a background with the CIELCh color 64, 68.159, 132.874.

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, 68.159, 132.874

Protanopia

63, 53.358, 95.448

Deuteranopia

64, 48.267, 80.522



Tritanopia
64, 18.191, 221.775

Trichromacy



Original Color
64, 68.159, 132.874

Protanomaly
63, 55.302, 112.589

Deuteranomaly
63, 49.093, 105.830

Tritanomaly
64, 30.177, 158.055

Monochromacy



Original Color
64, 68.159, 132.874

Achromatopsia
57, 0.007, 296.813

Achromatomaly
59, 26.551, 134.883

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 68.159, 132.874 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(91, 174, 58)` looks like.

```
.text, #text, p{  
    color:rgb(91, 174, 58)  
}
```

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(91, 174, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 174, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 68.159, 132.874 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(91, 174, 58) }
```

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

```
.border{ border-color:rgb(91, 174, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 174, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 174, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 174, 58);  
box-shadow:4px 4px 4px 4px rgb(91, 174,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 68.159, 132.874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 174, 58) }
```

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

```
.background{ background-color: rgb(91, 174,  
58) }
```

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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