

Converting Colors

CIELCh(64, 85.680, 134.792)

Have a look what the booklet for
CIELCh(64, 85.680, 134.792)
contains.

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Color

CIELCh(64, 85.949, 134.756)

Conversions

Conversions Part 1

Format	Color
Hex	31B316
RGB	49, 179, 22
RGB Percent	19%, 70%, 9%
CMY	0.8062, 0.2996, 0.9122
CMYK	0.72, 0.00, 0.87, 0.30
HSL	110°, 78%, 39%
HSV	110°, 87%, 70%
XYZ	17.4748, 32.8017, 6.1888
YIQ	122.2320, -27.0830, -76.3870

Conversions

Conversions Part 2

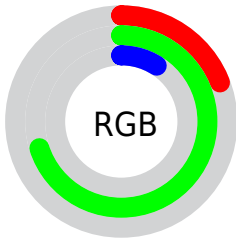
Format	Color
RYB	22, 179, 152
Decimal	3257110
CIELab	64.00, -60.52, 61.03
CIElCh	64, 85.949, 134.756
Yxy	32.8017, 0.3095, 0.5809
Android (android.graphics.Color)	4281447190 (0xFF31B316)
YUV	122.2320, -49.4144, -64.2245
Hunter-Lab	57.2727, -45.7641, 33.6841

Details

The CIELCh color $64, 85.949, 134.756$ is a dark color, and the websafe version is hex $33CC33$. A complement of this color would be $39, 86.072, 322.098$, and the grayscale version is $51, 0.007, 296.813$.

A 20% lighter version of the original color is $84, 86.355, 134.712$, and $45, 70.635, 136.016$ is the 20% darker color. If you saturate the color by 10%, you get $64, 89.595, 134.912$, and if you desaturate by 10%, it is $64, 80.160, 134.944$.

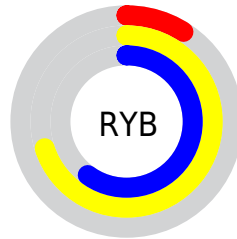
Distribution



Red (19%)

Green (70%)

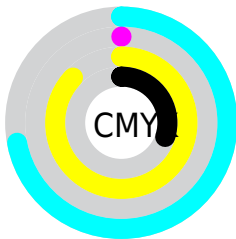
Blue (9%)



Red (9%)

Yellow (70%)

Blue (60%)

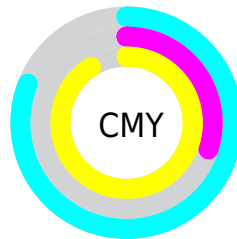


Cyan (72%)

Magenta (0%)

Yellow (87%)

Black (30%)



Cyan (81%)

Magenta (30%)

Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 85.949, 134.756 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, 85.949, 134.756 by changing the saturation by 10% instead.

 64, 85.949,
134.756


 64, 85.949,
134.756


 100, 85.949,
134.756


 54, 85.949,
134.756


 84, 85.949,
134.756

 44, 85.949,
134.756

 94, 85.949,
134.756

 34, 85.949,
134.756

 24, 85.949,
134.756

 14, 85.949,
134.756

 4, 85.949, 134.756

 0, 85.949, 134.756

■ 64, 85.949,
134.756

■ 64, 85.949,
134.756

■ 64, 89.595,
134.912

■ 64, 80.160,
134.944

■ 64, 90.351,
134.930

■ 65, 72.445,
135.427

■ 66, 63.274,
136.079

■ 67, 53.097,
136.793

■ 68, 42.277,
137.500

■ 69, 31.091,
138.159

■ 70, 19.747,
138.755

■ 72, 8.398, 139.291

Harmonies

Complementary

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



64, 85.949, 134.756



39, 86.072, 322.098

Rectangle

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



64, 85.949, 134.756



64, 85.949, 184.756



64, 85.949, 314.756



64, 85.949, 4.756

Sweetspot

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



64, 85.949, 134.757



87, 36.419, 138.223



63, 63.001, 91.019



46, 24.877, 138.006



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 85.949, 134.757



81, 110.109, 135.071



64, 73.867, 144.126



37, 6.378, 139.195



55, 80.497, 134.824



7, 15.589, 140.759

Inverse Universe

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



39, 86.072, 322.098



48, 109.285, 321.572



41, 68.629, 343.682



35, 6.409, 320.008



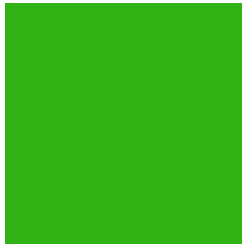
31, 80.101, 321.752



2, 15.077, 317.376

Previews

White Background



This preview shows how the CIELCh color 64, 85.949, 134.756 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, 85.949, 134.756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

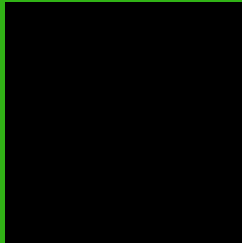
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 85.949, 134.756

Background



This preview shows how black text looks on a background with the CIELCh color 64, 85.949, 134.756.



This preview shows how white text looks on a background with the CIELCh color 64, 85.949, 134.756.

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, 86.230, 134.772

Protanopia
63, 65.207, 94.876

Deuteranopia
63, 58.306, 81.979



Tritanopia
64, 25.089, 215.847

Trichromacy



Original Color
64, 86.230, 134.772



Protanomaly
62, 68.903, 115.697



Deuteranomaly
62, 61.008, 110.804



Tritanomaly
63, 43.343, 157.957

Monochromacy



Original Color
64, 86.230, 134.772



Achromatopsia
51, 0.007, 296.813



Achromatomaly
55, 37.451, 137.319

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 85.949, 134.756 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(49, 179, 22)` looks like.

```
.text, #text, p{  
    color:rgb(49, 179, 22)  
}
```

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(49, 179, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 179, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 85.949, 134.756 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(49, 179, 22) }
```

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

```
.border{ border-color:rgb(49, 179, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 179, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 179, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 179, 22);  
box-shadow:4px 4px 4px 4px rgb(49, 179,  
22) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 85.949, 134.756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 179, 22) }
```

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

```
.background{ background-color: rgb(49, 179,  
22) }
```

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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