

Converting Colors

CIELCh(63, 89.216, 134.812)

Have a look what the booklet for
CIELCh(63, 89.216, 134.812)
contains.

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Color

CIELCh(63, 89.463, 134.828)

Conversions

Conversions Part 1

Format	Color
Hex	20B100
RGB	32, 177, 0
RGB Percent	13%, 69%, 0%
CMY	0.8739, 0.3075, 0.9998
CMYK	0.82, 0.00, 1.00, 0.31
HSL	109°, 100%, 35%
HSV	109°, 100%, 69%
XYZ	16.2394, 31.5869, 5.2421
YIQ	113.4670, -29.6030, -85.7870

Conversions

Conversions Part 2

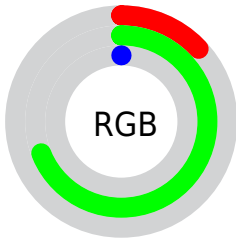
Format	Color
RYB	0, 177, 145
Decimal	2142464
CIELab	63.00, -63.07, 63.45
CIELCh	63, 89.463, 134.828
Yxy	31.5869, 0.3060, 0.5952
Android (android.graphics.Color)	4280332544 (0xFF20B100)
YUV	113.4670, -55.9392, -71.4466
Hunter-Lab	56.2022, -46.7770, 33.8115

Details

The CIELCh color **63, 89.463, 134.828** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **36, 89.148, 321.368**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **83, 89.748, 134.736**, and **44, 69.821, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **63, 89.472, 134.829**, and if you desaturate by 10%, it is **63, 86.151, 134.641**.

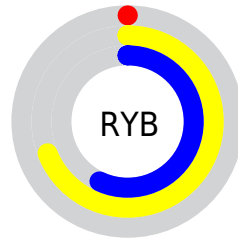
Distribution



Red (13%)

Green (69%)

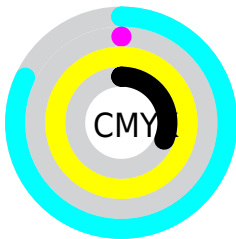
Blue (0%)



Red (0%)

Yellow (69%)

Blue (57%)

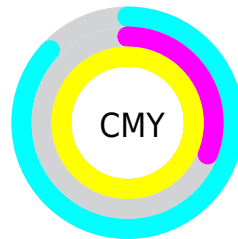


Cyan (82%)

Magenta (0%)

Yellow (100%)

Black (31%)



Cyan (87%)


Magenta (31%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 89.463, 134.828 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, 89.463, 134.828 by changing the saturation by 10% instead.

 63, 89.463,
134.828


 63, 89.463,
134.828


 100, 89.463,
134.828


 53, 89.463,
134.828


 83, 89.463,
134.828

 43, 89.463,
134.828

 93, 89.463,
134.828

 33, 89.463,
134.828

 23, 89.463,
134.828

 13, 89.463,
134.828

 3, 89.463, 134.828

 0, 89.463, 134.828

■ 63, 89.463,
134.828

■ 63, 89.463,
134.828

■ 63, 89.472,
134.829

■ 63, 86.151,
134.641

■ 64, 80.920,
134.710

■ 64, 73.695,
135.107

■ 65, 64.924,
135.707

■ 66, 55.065,
136.396

■ 67, 44.496,
137.095

■ 68, 33.511,
137.758

■ 69, 22.325,

138.362

■ 71, 11.102,
138.904

Harmonies

Complementary

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



63, 89.463, 134.828



36, 89.148, 321.368

Rectangle

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



63, 89.463, 134.828



63, 89.463, 184.828



63, 89.463, 314.828



63, 89.463, 4.828

Sweetspot

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



63, 89.462, 134.829



86, 41.509, 137.723



61, 65.382, 89.361



45, 28.253, 137.455



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, 89.462, 134.829



80, 109.060, 134.977



63, 79.396, 141.742



37, 6.360, 138.937



55, 80.393, 134.726



7, 15.557, 140.562

Inverse Universe

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



36, 89.148, 321.368



47, 108.509, 321.256



39, 69.384, 346.048



35, 6.393, 319.744



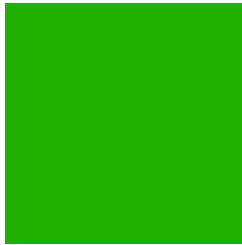
31, 80.195, 321.440



2, 15.027, 317.019

Previews

White Background



This preview shows how the CIELCh color 63, 89.463, 134.828 looks on a white background.

Color Contrast Check

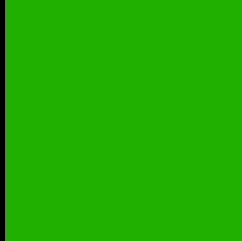
Large Text (above 18pt) WCAG AA × Fail

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, 89.463, 134.828 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

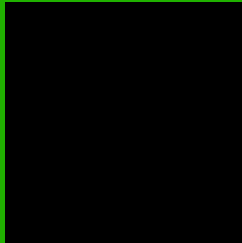
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 89.463, 134.828

Background



This preview shows how black text looks on a background with the CIELCh color 63, 89.463, 134.828.



This preview shows how white text looks on a background with the CIELCh color 63, 89.463, 134.828.

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, 89.645, 134.842

Protanopia

63, 66.503, 95.200

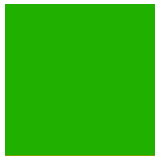
Deuteranopia

63, 59.132, 82.508



Tritanopia
63, 26.265, 213.633

Trichromacy



Original Color
63, 89.645, 134.842



Protanomaly
61, 71.343, 117.160



Deuteranomaly
61, 64.078, 112.565



Tritanomaly
62, 48.153, 155.329

Monochromacy



Original Color
63, 89.645, 134.842



Achromatopsia
48, 0.006, 296.813



Achromatomaly
52, 42.028, 136.528

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 89.463, 134.828 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(32, 177, 0)` looks like.

```
.text, #text, p{  
    color:rgb(32, 177, 0)  
}
```

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(32, 177, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 177, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 89.463, 134.828 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(32, 177, 0) }
```

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

```
.border{ border-color:rgb(32, 177, 0) }
```

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

Here you see how a box with a 4 pixel rgb(32, 177, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 177, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 177, 0);  
box-shadow:4px 4px 4px 4px rgb(32, 177, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 63, 89.463, 134.828 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 177, 0) }
```

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

```
.background{ background-color: rgb(32, 177,  
0) }
```

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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