

Converting Colors

CIELCh(65, 90.359, 136.462)

Have a look what the booklet for
CIELCh(65, 90.359, 136.462)
contains.

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Color

CIELCh(65, 90.359, 136.462)

Conversions

Conversions Part 1

Format	Color
Hex	15B714
RGB	21, 183, 20
RGB Percent	8%, 72%, 8%
CMY	0.9184, 0.2826, 0.9220
CMYK	0.89, 0.00, 0.89, 0.28
HSL	120°, 80%, 40%
HSV	120°, 89%, 72%
XYZ	17.3504, 34.0472, 6.3140
YIQ	115.9800, -44.2290, -85.0370

Conversions

Conversions Part 2

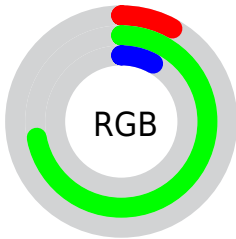
Format	Color
R _Y B	20, 183, 182
Decimal	1423124
CIE Lab	65.00, -65.50, 62.24
CIE LCh	65, 90.359, 136.462
Yxy	34.0472, 0.3006, 0.5900
Android (android.graphics.Color)	4279613204 (0xFF15B714)
YUV	115.9800, -47.3181, -83.2975
Hunter-Lab	58.3500, -49.0355, 34.4292

Details

The CIELCh color **65, 90.359, 136.462** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **44, 87.638, 327.939**, and the grayscale version is **49, 0.007, 296.813**.

A 20% lighter version of the original color is **85, 90.251, 136.535**, and **46, 71.852, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **65, 93.094, 136.028**, and if you desaturate by 10%, it is **65, 85.411, 137.201**.

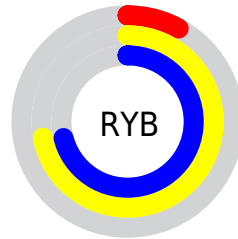
Distribution



Red (8%)

Green (72%)

Blue (8%)



Red (8%)

Yellow (72%)

Blue (71%)

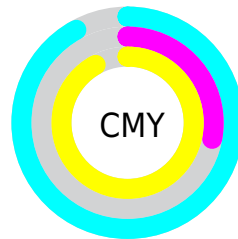


Cyan (89%)

Magenta (0%)

Yellow (89%)

Black (28%)



Cyan (92%)


Magenta (28%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 90.359, 136.462 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 65, 90.359, 136.462 by changing the saturation by 10% instead.


 65, 90.359,
136.462


 65, 90.359,
136.462


 100, 90.359,
136.462


 55, 90.359,
136.462


 85, 90.359,
136.462

 45, 90.359,
136.462

 95, 90.359,
136.462

 35, 90.359,
136.462

 25, 90.359,
136.462

 15, 90.359,
136.462

 5, 90.359, 136.462

 0, 90.359, 136.462

■ 65, 90.359,
136.462

■ 65, 90.359,
136.462

■ 65, 93.094,
136.028

■ 65, 85.411,
137.201

■ 65, 93.306,
135.993

■ 66, 78.184,
138.193

■ 66, 69.119,
139.295

■ 67, 58.700,
140.391

■ 68, 47.361,
141.409

■ 70, 35.459,
142.316

■ 71, 23.282,
143.106

■ 73, 11.053,

143.791

■ 75, 1.066, 324.115

Harmonies

Complementary

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



65, 90.359, 136.462



44, 87.638, 327.939

Rectangle

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



65, 90.359, 136.462



65, 90.359, 186.462



65, 90.359, 316.462



65, 90.359, 6.462

Sweetspot

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



65, 90.359, 136.463



88, 40.611, 142.457



71, 72.149, 102.120



47, 27.562, 142.168



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



65, 90.359, 136.463



82, 113.351, 135.999



66, 65.766, 150.707



38, 6.887, 143.777



56, 82.768, 135.988



8, 18.867, 144.336

Inverse Universe

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



44, 87.638, 327.939



56, 109.415, 328.009



41, 64.797, 356.481



36, 6.898, 324.776



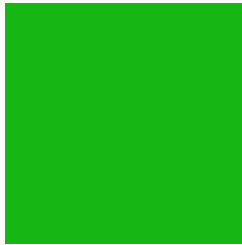
37, 79.907, 328.016



3, 18.769, 324.508

Previews

White Background



This preview shows how the CIE LCh color 65, 90.359, 136.462 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 65, 90.359, 136.462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

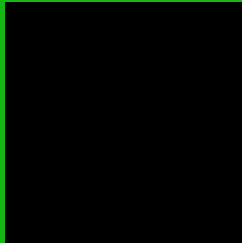
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 90.359, 136.462

Background



This preview shows how black text looks on a background with the CIELCh color 65, 90.359, 136.462.

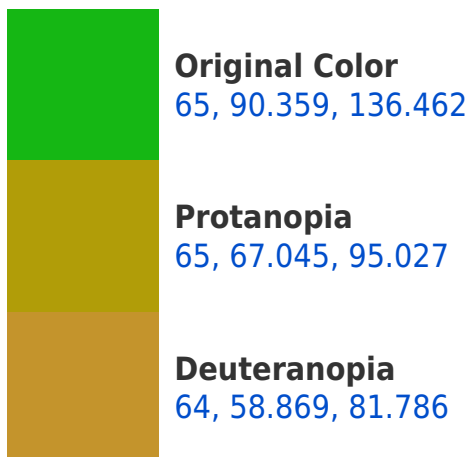


This preview shows how white text looks on a background with the CIELCh color 65, 90.359, 136.462.

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





Tritanopia
65, 27.616, 213.891

Trichromacy



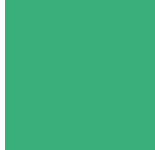
Original Color
65, 90.359, 136.462



Protanomaly
63, 72.052, 119.105



Deuteranomaly
62, 63.384, 115.243



Tritanomaly
64, 47.750, 159.359

Monochromacy



Original Color
65, 90.359, 136.462



Achromatopsia
49, 0.007, 296.813



Achromatomaly
53, 40.995, 141.321

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 90.359, 136.462 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(21, 183, 20)` looks like.

```
.text, #text, p{  
    color:rgb(21, 183, 20)  
}
```

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(21, 183, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 183, 20) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 90.359, 136.462 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(21, 183, 20) }
```

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

```
.border{ border-color:rgb(21, 183, 20) }
```

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

Here you see how a box with a 4 pixel rgb(21, 183, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 183, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 183, 20);  
box-shadow:4px 4px 4px 4px rgb(21, 183,  
20) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 90.359, 136.462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 183, 20) }
```

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

```
.background{ background-color: rgb(21, 183,  
20) }
```

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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