

Converting Colors

CIELCh(64, 91.632, 135.877)

Have a look what the booklet for
CIELCh(64, 91.632, 135.877)
contains.

CIELCh(64, 91.543, 135.868)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 91.543, 135.868)

Conversions

Conversions Part 1

Format	Color
Hex	0DB403
RGB	13, 180, 3
RGB Percent	5%, 71%, 1%
CMY	0.9502, 0.2934, 0.9866
CMYK	0.93, 0.00, 0.98, 0.29
HSL	117°, 96%, 36%
HSV	117°, 98%, 71%
XYZ	16.5356, 32.8017, 5.5575
YIQ	109.8890, -42.7150, -90.4510

Conversions

Conversions Part 2

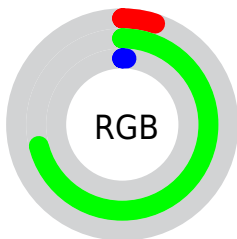
Format	Color
RYB	3, 180, 170
Decimal	898051
CIELab	64.00, -65.70, 63.74
CIELCh	64, 91.543, 135.868
Yxy	32.8017, 0.3012, 0.5975
Android (android.graphics.Color)	4279088131 (0xFF0DB403)
YUV	109.8890, -52.6963, -84.9717
Hunter-Lab	57.2727, -48.6915, 34.3377

Details

The CIELCh color **64, 91.543, 135.868** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **41, 88.888, 326.195**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **84, 91.404, 135.815**, and **45, 70.635, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **64, 92.002, 135.792**, and if you desaturate by 10%, it is **64, 88.472, 136.164**.

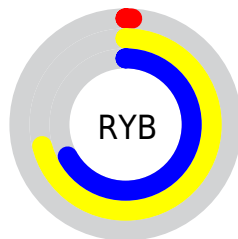
Distribution



Red (5%)

Green (71%)

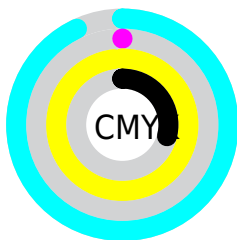
Blue (1%)



Red (1%)

Yellow (71%)

Blue (67%)

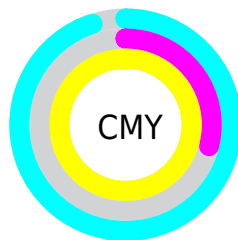


Cyan (93%)

Magenta (0%)

Yellow (98%)

Black (29%)



Cyan (95%)

Magenta (29%)

Yellow (99%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 91.543, 135.868 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, 91.543, 135.868 by changing the saturation by 10% instead.

 64, 91.543,
135.868


 64, 91.543,
135.868


 100, 91.543,
135.868

 54, 91.543,
135.868

 84, 91.543,
135.868

 44, 91.543,
135.868

 94, 91.543,
135.868

 34, 91.543,
135.868

 24, 91.543,
135.868

 14, 91.543,
135.868

 4, 91.543, 135.868

 0, 91.543, 135.868

■ 64, 91.543,
135.868

■ 64, 91.543,
135.868

■ 64, 92.002,
135.792

■ 64, 88.472,
136.164

■ 65, 83.135,
136.754

■ 65, 75.654,
137.598

■ 66, 66.491,
138.562

■ 67, 56.120,
139.534

■ 68, 44.947,
140.448

■ 69, 33.299,
141.269

■ 70, 21.434,

141.991

■ 72, 9.544, 142.622

Harmonies

Complementary

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



64, 91.543, 135.868



41, 88.888, 326.195

Rectangle

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



64, 91.543, 135.868



64, 91.543, 185.868



64, 91.543, 315.868



64, 91.543, 5.868

Sweetspot

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



64, 91.542, 135.869



87, 42.573, 141.161



68, 70.798, 98.540



46, 29.145, 140.822



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, 91.542, 135.869



81, 112.203, 135.853



64, 72.333, 146.467



37, 6.626, 142.549



55, 81.496, 135.743



7, 16.049, 143.359

Inverse Universe

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



41, 88.888, 326.195



54, 108.811, 326.146



39, 66.275, 355.161



35, 6.642, 323.484



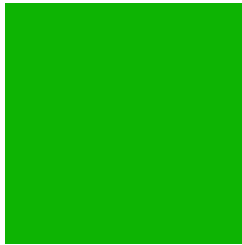
35, 79.144, 326.206



2, 15.856, 322.290

Previews

White Background



This preview shows how the CIELCh color 64, 91.543, 135.868 looks on a white background.

Color Contrast Check

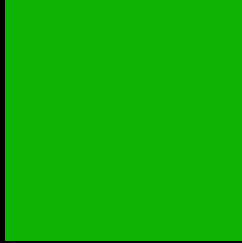
Large Text (above 18pt) WCAG AA × Fail

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, 91.543, 135.868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

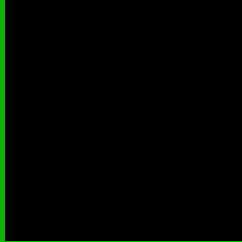
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 91.543, 135.868

Background



This preview shows how black text looks on a background with the CIELCh color 64, 91.543, 135.868.



This preview shows how white text looks on a background with the CIELCh color 64, 91.543, 135.868.

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, 91.508, 135.841

Protanopia

63, 67.198, 94.897

Deuteranopia

63, 59.697, 82.312



Tritanopia
64, 27.551, 213.971

Trichromacy



Original Color
64, 91.508, 135.841



Protanomaly
62, 73.245, 119.732



Deuteranomaly
61, 65.019, 115.552



Tritanomaly
63, 49.990, 157.046

Monochromacy



Original Color
64, 91.508, 135.841



Achromatopsia
46, 0.006, 296.813



Achromatomaly
51, 44.289, 139.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 91.543, 135.868 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(13, 180, 3)` looks like.

```
.text, #text, p{  
    color:rgb(13, 180, 3)  
}
```

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(13, 180, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 180, 3) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 91.543, 135.868 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(13, 180, 3) }
```

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

```
.border{ border-color:rgb(13, 180, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 180, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 180, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 180, 3);  
box-shadow:4px 4px 4px 4px rgb(13, 180, 3)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 64, 91.543, 135.868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 180, 3) }
```

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

```
.background{ background-color: rgb(13, 180,  
3) }
```

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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