

Converting Colors

CIELCh(64, 92.206, 135.705)

Have a look what the booklet for
CIELCh(64, 92.206, 135.705)
contains.

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Color

CIELCh(64, 91.920, 135.779)

Conversions

Conversions Part 1

Format	Color
Hex	0BB401
RGB	11, 180, 1
RGB Percent	4%, 71%, 0%
CMY	0.9570, 0.2933, 0.9980
CMYK	0.94, 0.00, 1.00, 0.29
HSL	117°, 99%, 35%
HSV	117°, 100%, 71%
XYZ	16.5052, 32.8017, 5.4759
YIQ	109.0630, -43.2650, -91.4970

Conversions

Conversions Part 2

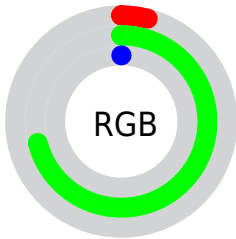
Format	Color
R_YB	1, 180, 170
Decimal	766977
CIE Lab	64.00, -65.87, 64.11
CIE LCh	64, 91.920, 135.779
Yxy	32.8017, 0.3013, 0.5988
Android (android.graphics.Color)	4278957057 (0xFF0BB401)
YUV	109.0630, -53.2751, -86.0013
Hunter-Lab	57.2727, -48.7862, 34.4222

Details

The CIELCh color **64, 91.920, 135.779** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **41, 89.281, 325.963**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **84, 91.866, 135.806**, and **45, 70.635, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **64, 91.989, 135.768**, and if you desaturate by 10%, it is **64, 89.068, 136.053**.

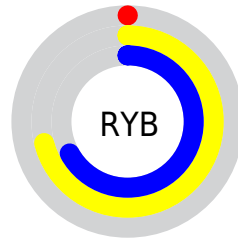
Distribution



Red (4%)

Green (71%)

Blue (0%)



Red (0%)

Yellow (71%)

Blue (67%)

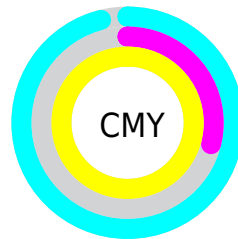


Cyan (94%)

Magenta (0%)

Yellow (100%)

Black (29%)



Cyan (96%)


Magenta (29%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 91.920, 135.779 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, 91.920, 135.779 by changing the saturation by 10% instead.


 64, 91.920,
135.779


 64, 91.920,
135.779


 100, 91.920,
135.779


 54, 91.920,
135.779


 84, 91.920,
135.779

 44, 91.920,
135.779

 94, 91.920,
135.779

 34, 91.920,
135.779

 24, 91.920,
135.779

 14, 91.920,
135.779

 4, 91.920, 135.779

 0, 91.920, 135.779

■ 64, 91.920,
135.779

■ 64, 91.920,
135.779

■ 64, 91.989,
135.768

■ 64, 89.068,
136.053

■ 64, 84.086,
136.569

■ 65, 76.906,
137.362

■ 66, 67.974,
138.298

■ 66, 57.770,
139.260

■ 68, 46.711,
140.175

■ 69, 35.136,
141.004

■ 70, 23.310,

141.734

■ 72, 11.433,
142.373

Harmonies

Complementary

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



64, 91.920, 135.779



41, 89.281, 325.963

Rectangle

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



64, 91.920, 135.779



64, 91.920, 185.779



64, 91.920, 315.779



64, 91.920, 5.779

Sweetspot

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



64, 91.919, 135.780



87, 43.949, 140.941



68, 71.121, 98.450



45, 29.909, 140.606



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, 91.919, 135.780



81, 112.171, 135.832



64, 73.067, 146.138



37, 6.614, 142.397



55, 81.463, 135.713



7, 16.027, 143.240

Inverse Universe

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



41, 89.281, 325.963



53, 108.856, 325.922



39, 66.443, 355.668



35, 6.630, 323.325



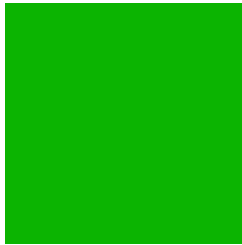
34, 79.175, 325.989



2, 15.815, 322.057

Previews

White Background



This preview shows how the CIELCh color 64, 91.920, 135.779 looks on a white background.

Color Contrast Check

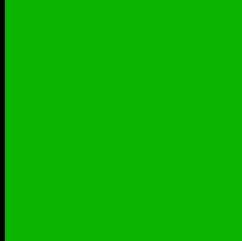
Large Text (above 18pt) WCAG AA × Fail

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, 91.920, 135.779 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

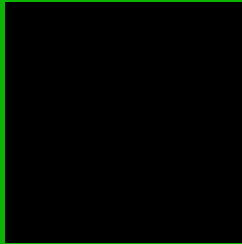
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 91.920, 135.779

Background



This preview shows how black text looks on a background with the CIELCh color 64, 91.920, 135.779.



This preview shows how white text looks on a background with the CIELCh color 64, 91.920, 135.779.

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, 91.784, 135.801

Protanopia

63, 67.198, 94.897

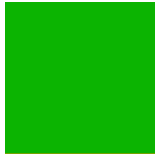
Deuteranopia

63, 59.895, 81.909



Tritanopia
64, 27.729, 212.606

Trichromacy



Original Color
64, 91.784, 135.801



Protanomaly
62, 73.375, 119.691



Deuteranomaly
61, 65.264, 115.484



Tritanomaly
63, 50.528, 156.708

Monochromacy



Original Color
64, 91.784, 135.801



Achromatopsia
46, 0.006, 296.813



Achromatomaly
51, 44.529, 139.773

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 91.920, 135.779 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(11, 180, 1)` looks like.

```
.text, #text, p{  
    color:rgb(11, 180, 1)  
}
```

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(11, 180, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 180, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 91.920, 135.779 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(11, 180, 1) }
```

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

```
.border{ border-color:rgb(11, 180, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 180, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 180, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 180, 1);  
box-shadow:4px 4px 4px 4px rgb(11, 180, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 64, 91.920, 135.779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 180, 1) }
```

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

```
.background{ background-color: rgb(11, 180,  
1) }
```

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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