

Converting Colors

CIELCh(64, 81.554, 130.332)

Have a look what the booklet for
CIELCh(64, 81.554, 130.332)
contains.

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Color

CIELCh(64, 81.583, 130.295)

Conversions

Conversions Part 1

Format	Color
Hex	50B012
RGB	80, 176, 18
RGB Percent	31%, 69%, 7%
CMY	0.6863, 0.3098, 0.9293
CMYK	0.55, 0.00, 0.90, 0.31
HSL	96°, 81%, 38%
HSV	96°, 90%, 69%
XYZ	18.9440, 32.8017, 5.9055
YIQ	129.2840, -6.4980, -69.4900

Conversions

Conversions Part 2

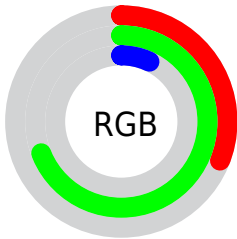
Format	Color
RYB	18, 176, 114
Decimal	5287954
CIELab	64.00, -52.76, 62.23
CIElCh	64, 81.583, 130.295
Yxy	32.8017, 0.3286, 0.5690
Android (android.graphics.Color)	4283478034 (0xFF50B012)
YUV	129.2840, -54.8630, -43.2221
Hunter-Lab	57.2727, -41.1852, 33.9774

Details

The CIELCh color **64, 81.583, 130.295** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **32, 88.308, 315.219**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 81.407, 130.241**, and **44, 69.413, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **64, 85.220, 131.091**, and if you desaturate by 10%, it is **64, 76.251, 129.849**.

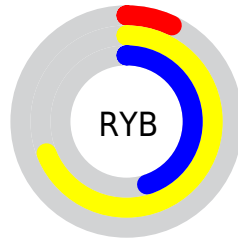
Distribution



Red (31%)

Green (69%)

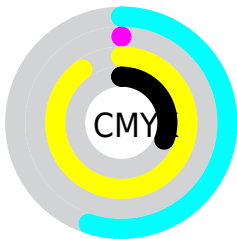
Blue (7%)



Red (7%)

Yellow (69%)

Blue (45%)

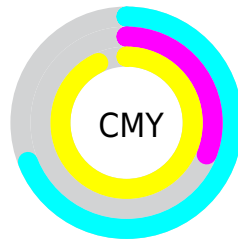


Cyan (55%)

Magenta (0%)

Yellow (90%)

Black (31%)



Cyan (69%)


Magenta (31%)


Yellow (93%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 81.583, 130.295 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, 81.583, 130.295 by changing the saturation by 10% instead.

 64, 81.583,
130.295


 64, 81.583,
130.295


 100, 81.583,
130.295


 54, 81.583,
130.295


 84, 81.583,
130.295

 44, 81.583,
130.295

 94, 81.583,
130.295

 34, 81.583,
130.295

 24, 81.583,
130.295

 14, 81.583,
130.295

 4, 81.583, 130.295

 0, 81.583, 130.295

■ 64, 81.583,
130.295

■ 64, 81.583,
130.295

■ 64, 85.220,
131.091

■ 64, 76.251,
129.849

■ 64, 85.301,
131.107

■ 65, 69.157,
129.803

■ 66, 60.724,
130.036

■ 66, 51.372,
130.431

■ 67, 41.435,
130.904

■ 68, 31.156,
131.400

■ 69, 20.706,
131.885

■ 71, 10.206,

132.346

■ 72, 0.256, 312.206

Harmonies

Complementary

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



64, 81.583, 130.295



32, 88.308, 315.219

Rectangle

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



64, 81.583, 130.295



64, 81.583, 180.295



64, 81.583, 310.295



64, 81.583, 0.295

Sweetspot

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



64, 81.583, 130.296



87, 35.088, 131.512



53, 59.007, 72.046



46, 23.600, 131.349



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 81.583, 130.296



81, 104.329, 131.369



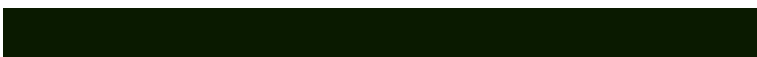
63, 84.886, 137.951



37, 5.988, 132.365



56, 76.789, 130.939



7, 14.842, 135.641

Inverse Universe

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



32, 88.308, 315.219



40, 112.741, 314.469



42, 79.277, 332.160



35, 6.051, 313.109



26, 83.190, 314.778



2, 14.129, 308.939

Previews

White Background



This preview shows how the CIELCh color 64, 81.583, 130.295 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, 81.583, 130.295 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, 81.583, 130.295

Background



This preview shows how black text looks on a background with the CIELCh color 64, 81.583, 130.295.



This preview shows how white text looks on a background with the CIELCh color 64, 81.583, 130.295.

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, 81.583, 130.295

Protanopia
63, 66.220, 94.888

Deuteranopia
63, 59.557, 81.828



Tritanopia
64, 20.267, 219.058

Trichromacy



Original Color
64, 81.583, 130.295



Protanomaly
63, 68.430, 111.301



Deuteranomaly
62, 61.351, 105.186



Tritanomaly
63, 38.364, 151.286

Monochromacy



Original Color
64, 81.583, 130.295



Achromatopsia
54, 0.007, 296.813



Achromatomaly
57, 35.021, 131.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 81.583, 130.295 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(80, 176, 18)` looks like.

```
.text, #text, p{  
    color:rgb(80, 176, 18)  
}
```

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(80, 176, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 176, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 81.583, 130.295 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(80, 176, 18) }
```

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

```
.border{ border-color:rgb(80, 176, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 176, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 176, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 176, 18);  
box-shadow:4px 4px 4px 4px rgb(80, 176,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 81.583, 130.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 176, 18) }
```

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

```
.background{ background-color: rgb(80, 176,  
18) }
```

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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