

Converting Colors

CIELCh(75, 64.459, 111.085)

Have a look what the booklet for
CIELCh(75, 64.459, 111.085)
contains.

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Color

CIELCh(75, 64.459, 111.085)

Conversions

Conversions Part 1

Format	Color
Hex	B0C241
RGB	176, 194, 65
RGB Percent	69%, 76%, 25%
CMY	0.3092, 0.2386, 0.7445
CMYK	0.09, 0.00, 0.66, 0.24
HSL	68°, 51%, 51%
HSV	68°, 66%, 76%
XYZ	38.2201, 48.2781, 12.3273
YIQ	173.9120, 30.6810, -43.9350

Conversions

Conversions Part 2

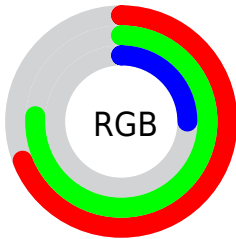
Format	Color
RYB	65, 194, 83
Decimal	11584065
CIELab	75.00, -23.19, 60.14
CIELCh	75, 64.459, 111.085
Yxy	48.2781, 0.3867, 0.4885
Android (android.graphics.Color)	4289774145 (0xFFB0C241)
YUV	173.9120, -53.6936, 1.8312
Hunter-Lab	69.4824, -23.4072, 38.1188

Details

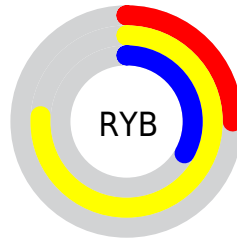
The CIELCh color **75, 64.459, 111.085** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted chartreuse. A complement of this color would be **37, 78.064, 303.503**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 64.449, 110.959**, and **55, 62.863, 111.299** is the 20% darker color. If you saturate the color by 10%, you get **75, 71.308, 110.808**, and if you desaturate by 10%, it is **75, 56.254, 111.573**.

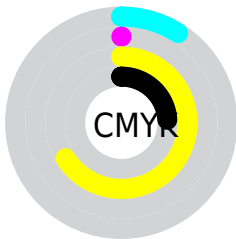
Distribution



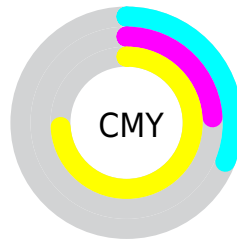
- Red (69%)
- Green (76%)
- Blue (25%)



- Red (25%)
- Yellow (76%)
- Blue (33%)



- Cyan (9%)
- Magenta (0%)
- Yellow (66%)
- Black (24%)





- Cyan (31%)
- Magenta (24%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 64.459, 111.085 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 75, 64.459, 111.085 by changing the saturation by 10% instead.


 75, 64.459,
111.085

 75, 64.459,
111.085


 100, 64.459,
111.085


 65, 64.459,
111.085


 95, 64.459,
111.085

 55, 64.459,
111.085

 45, 64.459,
111.085

 35, 64.459,
111.085

 25, 64.459,
111.085

 15, 64.459,
111.085

 5, 64.459, 111.085

■ 0, 64.459, 111.085

■ 75, 64.459,
111.085

■ 75, 64.459,
111.085

■ 75, 71.308,
110.808

■ 75, 56.254,
111.573

■ 74, 76.322,
110.814

■ 76, 47.132,
112.197

■ 74, 79.224,
111.157

■ 76, 37.425,
112.902

■ 74, 79.999,
111.317

■ 77, 27.360,
113.650

■ 77, 17.088,
114.413

■ 78, 6.706, 115.170

■ 79, 3.719, 295.915

■ 80, 14.142,
296.626

■ 80, 24.531,
297.306

Harmonies

Complementary

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



75, 64.459, 111.085



37, 78.064, 303.503

Rectangle

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



75, 64.459, 111.085



75, 64.459, 161.085



75, 64.459, 291.085



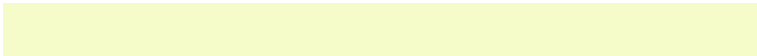
75, 64.459, 341.085

Sweetspot

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



75, 64.460, 111.087



97, 25.688, 114.117



49, 54.331, 36.507



52, 17.646, 113.898



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 64.460, 111.087



94, 90.137, 110.771



71, 72.466, 130.610



41, 5.891, 114.950



62, 69.500, 111.204



12, 18.882, 115.115

Inverse Universe

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



37, 78.064, 303.503



40, 115.683, 305.527



44, 77.026, 316.196



38, 6.017, 296.395



19, 93.834, 306.879



1, 19.551, 294.904

Previews

White Background



This preview shows how the CIELCh color 75, 64.459, 111.085 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 75, 64.459, 111.085 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 75, 64.459, 111.085

Background



This preview shows how black text looks on a background with the CIELCh color 75, 64.459, 111.085.



This preview shows how white text looks on a background with the CIELCh color 75, 64.459, 111.085.

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
75, 64.459, 111.085

Protanopia
75, 62.006, 95.612

Deuteranopia
75, 59.410, 80.381



Tritanopia
75, 8.020, 309.368

Trichromacy



Original Color
75, 64.459, 111.085

Protanomaly
75, 62.073, 101.392

Deuteranomaly
75, 58.640, 92.349

Tritanomaly
74, 20.368, 110.458

Monochromacy



Original Color
75, 64.459, 111.085

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 25.360, 113.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 64.459, 111.085 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(176, 194, 65)` looks like.

```
.text, #text, p{  
    color:rgb(176, 194, 65)  
}
```

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(176, 194, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 194, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 64.459, 111.085 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(176, 194, 65) }
```

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

```
.border{ border-color:rgb(176, 194, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 194, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 194, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 194, 65);  
box-shadow:4px 4px 4px 4px rgb(176, 194,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 64.459, 111.085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 194, 65) }
```

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

```
.background{ background-color: rgb(176,  
194, 65) }
```

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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