

Converting Colors

CIELCh(75, 64.121, 142.419)

Have a look what the booklet for
CIELCh(75, 64.121, 142.419)
contains.

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Color

CIELCh(75, 64.404, 142.370)

Conversions

Conversions Part 1

Format	Color
Hex	64CF6D
RGB	100, 207, 109
RGB Percent	39%, 81%, 43%
CMY	0.6090, 0.1893, 0.5736
CMYK	0.52, 0.00, 0.47, 0.19
HSL	125°, 53%, 60%
HSV	125°, 52%, 81%
XYZ	30.2128, 48.2781, 22.1210
YIQ	163.8350, -32.3140, -53.1620

Conversions

Conversions Part 2

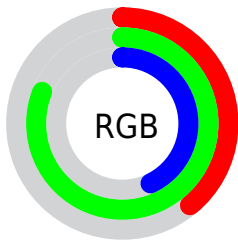
Format	Color
RYB	100, 199, 207
Decimal	6606701
CIELab	75.00, -51.01, 39.32
CIElCh	75, 64.404, 142.370
Yxy	48.2781, 0.3003, 0.4798
Android (android.graphics.Color)	4284796781 (0xFF64CF6D)
YUV	163.8350, -27.0337, -55.9833
Hunter-Lab	69.4824, -43.9779, 29.7617

Details

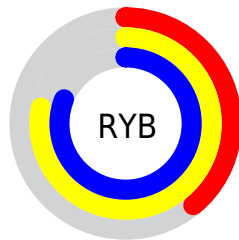
The CIELCh color **75, 64.404, 142.370** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **58, 63.926, 329.743**, and the grayscale version is **67, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 58.788, 142.643**, and **55, 64.425, 142.450** is the 20% darker color. If you saturate the color by 10%, you get **74, 75.152, 141.122**, and if you desaturate by 10%, it is **76, 52.694, 143.500**.

Distribution



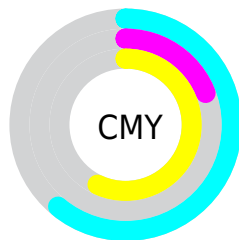
- Red (39%)
- Green (81%)
- Blue (43%)



- Red (39%)
- Yellow (78%)
- Blue (81%)



- Cyan (52%)
- Magenta (0%)
- Yellow (47%)
- Black (19%)





- Cyan (61%)
- Magenta (19%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 64.404, 142.370 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, 64.404, 142.370 by changing the saturation by 10% instead.


 75, 64.404,
142.370


 75, 64.404,
142.370


 100, 64.404,
142.370


 65, 64.404,
142.370


 95, 64.404,
142.370

 55, 64.404,
142.370

 45, 64.404,
142.370

 35, 64.404,
142.370

 25, 64.404,
142.370

 15, 64.404,
142.370

 5, 64.404, 142.370

0, 64.404, 142.370

75, 64.404,
142.370

75, 64.404,
142.370

74, 75.152,
141.122

76, 52.694,
143.500

73, 84.555,
139.803

77, 40.359,
144.494

73, 92.213,
138.504

79, 27.688,
145.355

73, 97.757,
137.353

81, 14.914,
146.098

73, 100.653,
136.663

83, 2.217, 146.834

85, 10.274,
327.212

■ 87, 22.469,
327.683

■ 88, 30.274,
325.478

Harmonies

Complementary

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



75, 64.404, 142.370



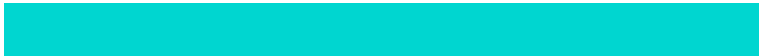
58, 63.926, 329.743

Rectangle

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



75, 64.404, 142.370



75, 64.404, 192.370



75, 64.404, 322.370



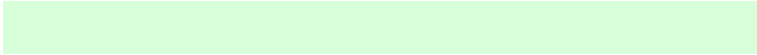
75, 64.404, 12.370

Sweetspot

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



75, 64.405, 142.370



96, 24.096, 145.782



80, 54.537, 109.234



51, 16.280, 145.626



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, 64.405, 142.370



89, 89.203, 140.993



76, 43.322, 162.728



43, 7.248, 146.259



60, 86.085, 136.802



13, 29.270, 143.461

Inverse Universe

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



58, 63.926, 329.743



67, 87.638, 330.309



56, 47.362, 354.715



41, 7.261, 327.319



39, 79.268, 331.880



5, 29.168, 330.746

Previews

White Background



This preview shows how the CIELCh color 75, 64.404, 142.370 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, 64.404, 142.370 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, 64.404, 142.370

Background



This preview shows how black text looks on a background with the CIELCh color 75, 64.404, 142.370.

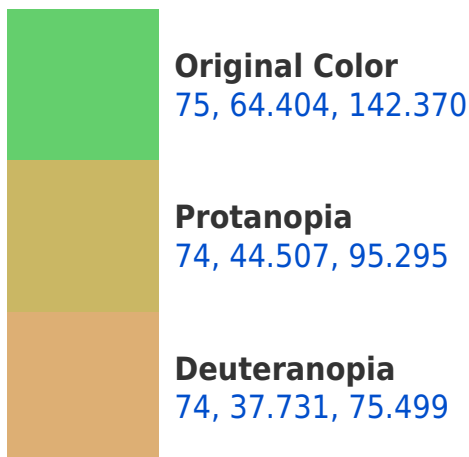


This preview shows how white text looks on a background with the CIELCh color 75, 64.404, 142.370.

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
75, 23.792, 219.367

Trichromacy



Original Color
75, 64.404, 142.370



Protanomaly
74, 47.759, 119.319



Deuteranomaly
74, 39.280, 112.488

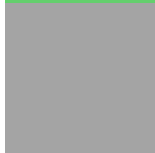


Tritanomaly
75, 31.744, 171.750

Monochromacy



Original Color
75, 64.404, 142.370



Achromatopsia
67, 0.008, 296.813



Achromatomaly
70, 24.754, 145.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 64.404, 142.370 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(100, 207, 109)` looks like.

```
.text, #text, p{  
    color:rgb(100, 207, 109)  
}
```

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(100, 207, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 207, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 64.404, 142.370 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(100, 207, 109) }
```

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

```
.border{ border-color:rgb(100, 207, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 207, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 207, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 207, 109);  
box-shadow:4px 4px 4px 4px rgb(100, 207,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 64.404, 142.370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 207, 109) }
```

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

```
.background{ background-color: rgb(100,  
207, 109) }
```

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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