

Converting Colors

CIELCh(77, 63.371, 147.363)

Have a look what the booklet for
CIELCh(77, 63.371, 147.363)
contains.

CIELCh(77, 63.172, 147.470)	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(77, 63.172, 147.470)

Conversions

Conversions Part 1

Format	Color
Hex	5BD57C
RGB	91, 213, 124
RGB Percent	36%, 84%, 49%
CMY	0.6412, 0.1629, 0.5121
CMYK	0.57, 0.00, 0.42, 0.16
HSL	136°, 59%, 60%
HSV	136°, 57%, 84%
XYZ	31.9354, 51.5317, 27.4694
YIQ	166.3760, -44.1430, -53.5430

Conversions

Conversions Part 2

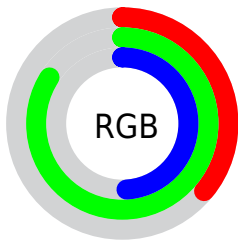
Format	Color
RYB	91, 187, 213
Decimal	6018428
CIELab	77.00, -53.26, 33.97
CIELCh	77, 63.172, 147.470
Yxy	51.5317, 0.2879, 0.4645
Android (android.graphics.Color)	4284208508 (0xFF5BD57C)
YUV	166.3760, -20.8914, -66.1048
Hunter-Lab	71.7856, -46.2153, 27.5621

Details

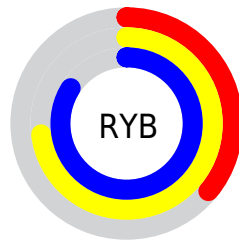
The CIELCh color **77, 63.172, 147.470** is a dark color, and the websafe version is hex **66CC66**. The color can be described as middle muted spring green. A complement of this color would be **57, 63.017, 337.464**, and the grayscale version is **69, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 54.332, 149.016**, and **57, 62.895, 147.659** is the 20% darker color. If you saturate the color by 10%, you get **76, 72.516, 145.949**, and if you desaturate by 10%, it is **78, 52.980, 148.811**.

Distribution



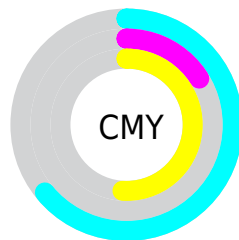
- Red (36%)
- Green (84%)
- Blue (49%)



- Red (36%)
- Yellow (73%)
- Blue (84%)



- Cyan (57%)
- Magenta (0%)
- Yellow (42%)
- Black (16%)




- Cyan (64%)
- Magenta (16%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 77, 63.172, 147.470 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 77, 63.172, 147.470 by changing the saturation by 10% instead.

 77, 63.172,
147.470

 77, 63.172,
147.470


 100, 63.172,
147.470


 67, 63.172,
147.470


 97, 63.172,
147.470

 57, 63.172,
147.470

 47, 63.172,
147.470

 37, 63.172,
147.470

 27, 63.172,
147.470

 17, 63.172,
147.470

 7, 63.172, 147.470

0, 63.172, 147.470

77, 63.172,
147.470

77, 63.172,
147.470

76, 72.516,
145.949

78, 52.980,
148.811

76, 80.802,
144.258

79, 42.166,
149.980

75, 87.862,
142.435

81, 30.954,
150.994

75, 93.603,
140.570

82, 19.544,
151.875

75, 95.049,
140.081

84, 8.103, 152.660

86, 3.235, 333.173

88, 14.373,

333.837

■ 90, 23.606,
329.569

■ 90, 26.031,
325.331

Harmonies

Complementary

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



77, 63.172, 147.470



57, 63.017, 337.464

Rectangle

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



77, 63.172, 147.470



77, 63.172, 197.470



77, 63.172, 327.470



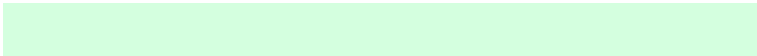
77, 63.172, 17.470

Sweetspot

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



77, 63.173, 147.470



96, 22.393, 151.873



81, 62.520, 117.263



51, 14.984, 151.703



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 63.173, 147.470



89, 85.480, 145.531



78, 41.083, 174.632



44, 6.469, 152.485



61, 79.943, 140.389



14, 27.913, 146.063

Inverse Universe

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



57, 63.017, 337.464



63, 83.458, 338.721



55, 51.245, 9.389



42, 6.498, 333.692



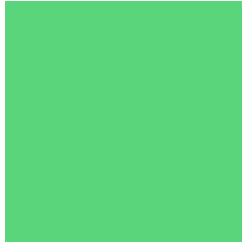
38, 69.814, 342.620



6, 27.033, 339.421

Previews

White Background



This preview shows how the CIELCh color 77, 63.172, 147.470 looks on a white background.

Color Contrast Check

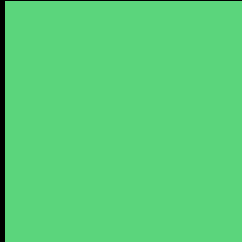
Large Text (above 18pt) WCAG AA × Fail

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 77, 63.172, 147.470 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 77, 63.172, 147.470

Background



This preview shows how black text looks on a background with the CIELCh color 77, 63.172, 147.470.

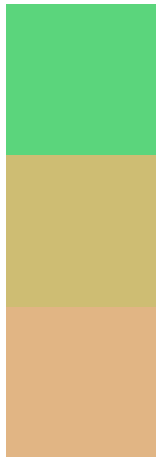


This preview shows how white text looks on a background with the CIELCh color 77, 63.172, 147.470.

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

77, 63.172, 147.470

Protanopia

77, 39.696, 96.021

Deuteranopia

77, 32.405, 72.939



Tritanopia
77, 26.926, 217.712

Trichromacy



Original Color
77, 63.172, 147.470



Protanomaly
76, 44.104, 124.424



Deuteranomaly
75, 34.532, 118.484

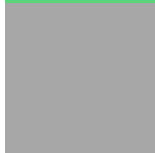


Tritanomaly
77, 33.954, 177.396

Monochromacy



Original Color
77, 63.172, 147.470



Achromatopsia
68, 0.008, 296.813



Achromatomaly
71, 24.131, 151.416

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 63.172, 147.470 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(91, 213, 124)` looks like.

```
.text, #text, p{  
    color:rgb(91, 213, 124)  
}
```

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(91, 213, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 213, 124) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 63.172, 147.470 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(91, 213, 124) }
```

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

```
.border{ border-color:rgb(91, 213, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 213, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 213, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 213, 124);  
box-shadow:4px 4px 4px 4px rgb(91, 213,  
124) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 63.172, 147.470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 213, 124) }
```

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

```
.background{ background-color: rgb(91, 213,  
124) }
```

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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