

Converting Colors

CIELCh(76, 66.003, 136.327)

Have a look what the booklet for
CIELCh(76, 66.003, 136.327)
contains.

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Color

CIELCh(76, 65.830, 136.367)

Conversions

Conversions Part 1

Format	Color
Hex	76D063
RGB	118, 208, 99
RGB Percent	46%, 82%, 39%
CMY	0.5371, 0.1841, 0.6116
CMYK	0.43, 0.00, 0.52, 0.18
HSL	110°, 54%, 60%
HSV	110°, 52%, 82%
XYZ	32.2963, 49.8872, 19.7405
YIQ	168.6640, -18.6510, -52.9790

Conversions

Conversions Part 2

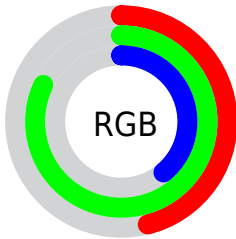
Format	Color
RYB	99, 208, 189
Decimal	7786595
CIELab	76.00, -47.65, 45.43
CIELCh	76, 65.830, 136.367
Yxy	49.8872, 0.3169, 0.4895
Android (android.graphics.Color)	4285976675 (0xFF76D063)
YUV	168.6640, -34.3444, -44.4323
Hunter-Lab	70.6309, -41.9842, 32.8708

Details

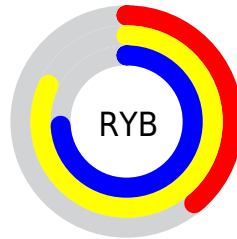
The CIELCh color **76, 65.830, 136.367** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **56, 66.856, 321.795**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 59.783, 135.889**, and **56, 65.701, 136.382** is the 20% darker color. If you saturate the color by 10%, you get **75, 76.778, 135.672**, and if you desaturate by 10%, it is **77, 53.935, 137.090**.

Distribution



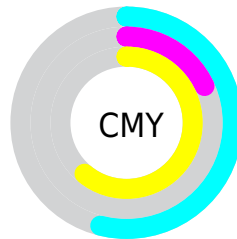
- Red (46%)
- Green (82%)
- Blue (39%)



- Red (39%)
- Yellow (82%)
- Blue (74%)



- Cyan (43%)
- Magenta (0%)
- Yellow (52%)
- Black (18%)





- Cyan (54%)
- Magenta (18%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 76, 65.830, 136.367 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 76, 65.830, 136.367 by changing the saturation by 10% instead.


 76, 65.830,
136.367


 76, 65.830,
136.367


 100, 65.830,
136.367


 66, 65.830,
136.367


 96, 65.830,
136.367

 56, 65.830,
136.367

 46, 65.830,
136.367

 36, 65.830,
136.367

 26, 65.830,
136.367

 16, 65.830,
136.367

 6, 65.830, 136.367

0, 65.830, 136.367

76, 65.830,
136.367

76, 65.830,
136.367

75, 76.778,
135.672

77, 53.935,
137.090

74, 86.299,
135.098

78, 41.461,
137.784

74, 93.844,
134.771

80, 28.692,
138.419

73, 98.942,
134.808

81, 15.832,
138.988

73, 101.339,
135.005

83, 3.034, 139.539

85, 9.595, 319.868

87, 21.980,

320.245

■ 89, 29.439,
325.449

Harmonies

Complementary

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



76, 65.830, 136.367



56, 66.856, 321.795

Rectangle

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



76, 65.830, 136.367



76, 65.830, 186.367



76, 65.830, 316.367



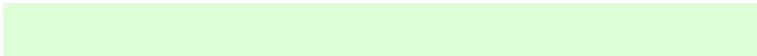
76, 65.830, 6.367

Sweetspot

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



76, 65.831, 136.368



97, 24.145, 138.780



76, 47.335, 95.242



51, 16.312, 138.662



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 65.831, 136.368



90, 91.117, 135.585



76, 55.171, 149.877



43, 7.265, 139.147



60, 86.405, 134.878



13, 28.945, 138.468

Inverse Universe

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



56, 66.856, 321.795



63, 92.377, 322.082



57, 55.649, 339.211



41, 7.301, 319.978



35, 85.949, 321.659



4, 29.569, 321.195

Previews

White Background



This preview shows how the CIELCh color 76, 65.830, 136.367 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 76, 65.830, 136.367 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 76, 65.830, 136.367

Background



This preview shows how black text looks on a background with the CIELCh color 76, 65.830, 136.367.

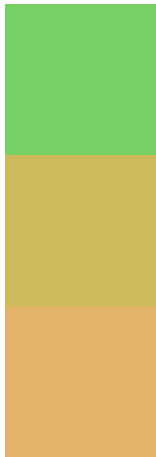


This preview shows how white text looks on a background with the CIELCh color 76, 65.830, 136.367.

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
76, 65.830, 136.367

Protanopia
75, 49.759, 95.400

Deuteranopia
76, 43.845, 77.493



Tritanopia
76, 20.047, 223.842

Trichromacy



Original Color
76, 65.830, 136.367



Protanomaly
75, 51.761, 114.717



Deuteranomaly
75, 44.460, 107.006

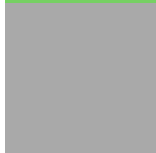


Tritanomaly
75, 29.129, 164.774

Monochromacy



Original Color
76, 65.830, 136.367



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 24.754, 139.067

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 65.830, 136.367 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(118, 208, 99)` looks like.

```
.text, #text, p{  
    color:rgb(118, 208, 99)  
}
```

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(118, 208, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 208, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 65.830, 136.367 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(118, 208, 99) }
```

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

```
.border{ border-color:rgb(118, 208, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 208, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 208, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 208, 99);  
box-shadow:4px 4px 4px 4px rgb(118, 208,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 65.830, 136.367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 208, 99) }
```

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

```
.background{ background-color: rgb(118,  
208, 99) }
```

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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