

Converting Colors

CIELCh(85, 66.648, 114.958)

Have a look what the booklet for
CIELCh(85, 66.648, 114.958)
contains.

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Color

CIELCh(85, 66.543, 114.671)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | C4E05B |
| RGB | 196, 224, 91 |
| RGB Percent | 77%, 88%, 36% |
| CMY | 0.2302, 0.1204, 0.6420 |
| CMYK | 0.12, 0.00, 0.59, 0.12 |
| HSL | 73°, 68%, 62% |
| HSV | 73°, 59%, 88% |
| XYZ | 51.4793, 66.0070, 19.9892 |
| YIQ | 200.4660, 26.0050, -47.2990 |

Conversions

Conversions Part 2

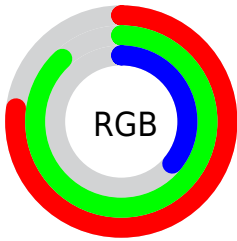
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 91, 224, 119 |
| Decimal | 12902491 |
| CIE _{Lab} | 85.00, -27.78, 60.47 |
| CIE _{LCh} | 85, 66.543, 114.671 |
| Yxy | 66.0070, 0.3745, 0.4801 |
| Android (android.graphics.Color) | 4291092571 (0xFFC4E05B) |
| YUV | 200.4660, -53.9667, -3.9167 |
| Hunter-Lab | 81.2447, -29.0748, 42.2837 |

Details

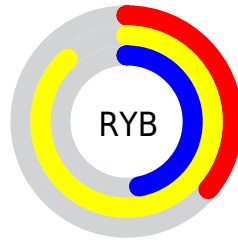
The CIELCh color **85, 66.543, 114.671** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted yellow. A complement of this color would be **48, 77.713, 304.201**, and the grayscale version is **81, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 53.989, 106.046**, and **65, 66.598, 114.882** is the 20% darker color. If you saturate the color by 10%, you get **85, 75.456, 114.363**, and if you desaturate by 10%, it is **86, 56.455, 115.163**.

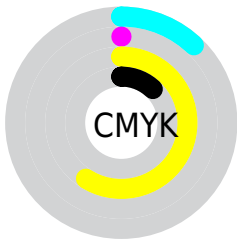
Distribution



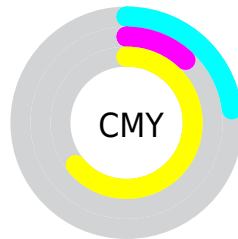
- Red (77%)
- Green (88%)
- Blue (36%)



- Red (36%)
- Yellow (88%)
- Blue (47%)



- Cyan (12%)
- Magenta (0%)
- Yellow (59%)
- Black (12%)





- Cyan (23%)
- Magenta (12%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 85, 66.543, 114.671 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 85, 66.543, 114.671 by changing the saturation by 10% instead.


 85, 66.543,
114.671


 85, 66.543,
114.671


 100, 66.543,
114.671


 75, 66.543,
114.671

 65, 66.543,
114.671

 55, 66.543,
114.671

 45, 66.543,
114.671

 35, 66.543,
114.671

 25, 66.543,
114.671

 15, 66.543,

114.671

■ 5, 66.543, 114.671

■ 0, 66.543, 114.671

■ 85, 66.543,
114.671

■ 85, 66.543,
114.671

■ 85, 75.456,
114.363

■ 86, 56.455,
115.163

■ 84, 82.660,
114.326

■ 86, 45.605,
115.763

■ 84, 87.646,
114.655

■ 87, 34.287,
116.421

■ 83, 90.392,
115.368

■ 88, 22.696,
117.101

■ 83, 90.554,

■ 88, 10.959,

115.422

117.781

■ 89, 0.835, 298.423

■ 90, 12.629,
299.080

■ 91, 16.348,
303.199

■ 91, 16.763,
308.651

Harmonies

Complementary

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



85, 66.543, 114.671



48, 77.713, 304.201

Rectangle

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



85, 66.543, 114.671



85, 66.543, 164.671



85, 66.543, 294.671



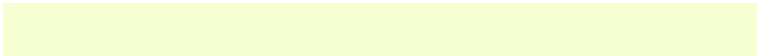
85, 66.543, 344.671

Sweetspot

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



85, 66.544, 114.673



98, 23.495, 117.181



61, 51.273, 40.467



52, 16.310, 116.981



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



85, 66.544, 114.673



95, 85.070, 114.328



81, 75.335, 132.717



47, 6.693, 117.772



67, 75.468, 115.238



18, 28.489, 115.337

Inverse Universe

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



48, 77.713, 304.201



46, 103.787, 305.660



55, 78.463, 318.092



43, 6.832, 299.059



22, 99.611, 307.374



3, 32.036, 300.896

Previews

White Background



This preview shows how the CIELCh color 85, 66.543, 114.671 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 CIE LCh color 85, 66.543, 114.671 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 85, 66.543, 114.671

Background



This preview shows how black text looks on a background with the CIELCh color 85, 66.543, 114.671.



This preview shows how white text looks on a background with the CIELCh color 85, 66.543, 114.671.

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
85, 66.543, 114.671

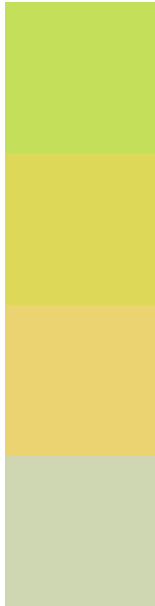
Protanopia
85, 62.817, 95.325

Deuteranopia
85, 47.044, 78.697



Tritanopia
85, 8.971, 293.183

Trichromacy



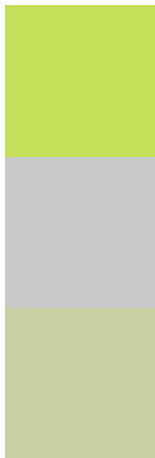
Original Color
85, 66.543, 114.671

Protanomaly
85, 63.103, 102.404

Deuteranomaly
85, 51.594, 94.892

Tritanomaly
84, 19.647, 118.565

Monochromacy



Original Color
85, 66.543, 114.671

Achromatopsia
81, 0.010, 296.813

Achromatomaly
82, 25.457, 116.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 66.543, 114.671 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(196, 224, 91)` looks like.

```
.text, #text, p{  
    color:rgb(196, 224, 91)  
}
```

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(196, 224, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 224, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 66.543, 114.671 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(196, 224, 91) }
```

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

```
.border{ border-color:rgb(196, 224, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 224, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 224, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 224, 91);  
box-shadow:4px 4px 4px 4px rgb(196, 224,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 66.543, 114.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 224, 91) }
```

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

```
.background{ background-color: rgb(196,  
224, 91) }
```

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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