Converting Colors

CIELCh(85, 49.663, 124.987)

Have a look what the booklet for CIELCh(85, 49.663, 124.987) contains.

Color

CIELCh(85, 49.600, 124.755)

Conversions

Conversions Part 1

Format	Color
Hex	B9E185
RGB	185, 225, 133
RGB Percent	73%, 88%, 52%
CMY	0.2737, 0.1168, 0.4776
CMYK	0.18, 0.00, 0.41, 0.12
HSL	86°, 61%, 70%
HSV	86°, 41%, 88%
XYZ	51.2901, 66.0070, 32.3004
YIQ	202.5520, 5.6920, -37.0920

Conversions

Conversions Part 2

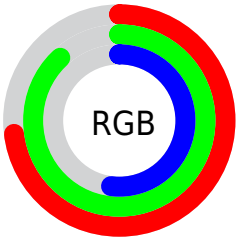
Format	Color
RYB	133, 225, 173
Decimal	12181893
CIELab	85.00, -28.28, 40.75
CIELCh	85, 49.600, 124.755
Yxy	66.0070, 0.3429, 0.4412
Android (android.graphics.Color)	4290371973 (0xFFB9E185)
YUV	202.5520, -34.2891, -15.3931
Hunter-Lab	81.2447, -29.4904, 33.2994

Details

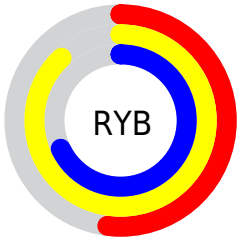
The CIELCh color 85, 49.600, 124.755 is a light color, and the websafe version is hex 99CC66. A complement of this color would be 63, 53.135, 309.047, and the grayscale version is 82, 0.010, 296.813.

A 20% lighter version of the original color is 98, 34.595, 115.780, and 65, 50.113, 124.858 is the 20% darker color. If you saturate the color by 10%, you get 84, 61.014, 124.327, and if you desaturate by 10%, it is 86, 37.718, 125.245.

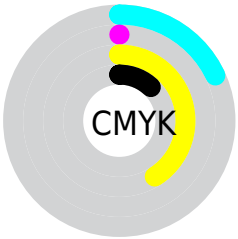
Distribution



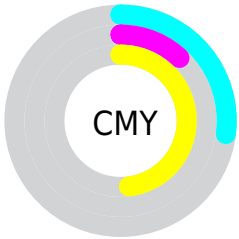
- Red (73%)
- Green (88%)
- Blue (52%)



- Red (52%)
- Yellow (88%)
- Blue (68%)



- Cyan (18%)
- Magenta (0%)
- Yellow (41%)
- Black (12%)



- Cyan (27%)
- Magenta (12%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 85, 49.600, 124.755 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, 49.600, 124.755 by changing the saturation by 10% instead.

85, 49.600, 124.755

100, 49.600, 124.755

85, 49.600, 124.755

75, 49.600, 124.755

65, 49.600, 124.755

55, 49.600, 124.755

45, 49.600, 124.755

35, 49.600, 124.755

25, 49.600, 124.755

15, 49.600,

124.755

5, 49.600, 124.755

0, 49.600, 124.755

85, 49.600, 124.755

84, 61.014, 124.327

83, 71.649, 124.022

83, 81.074, 123.935

82, 88.761, 124.189

81, 94.227,

85, 49.600, 124.755

86, 37.718, 125.245

87, 25.575, 125.751

88, 13.315, 126.252

89, 1.040, 126.820

91, 11.183, 307.153

124.903

81, 97.392, 125.932

92, 16.808, 313.942

93, 18.388, 323.923

93, 18.624, 325.071

Harmonies

Complementary

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

85, 49.600, 124.755

63, 53.135, 309.047

Rectangle

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

85, 49.600, 124.755

85, 49.600, 174.755

85, 49.600, 304.755

85, 49.600, 354.755

Sweetspot

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

85, 49.602, 124.757

98, 16.279, 126.192

75, 31.124, 63.379

52, 10.799, 126.126

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, 49.602, 124.757

94, 65.159, 124.387

82, 57.367, 139.825

47, 6.942, 126.322

65, 80.794, 125.662

17, 30.202, 125.527

Inverse Universe

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

63, 53.135, 309.047

65, 70.988, 309.585

68, 57.552, 324.651

44, 7.050, 307.206

26, 95.748, 310.556

3, 33.032, 307.856

Previews

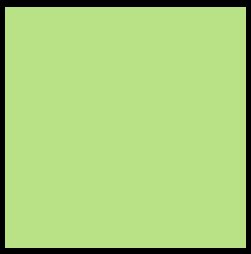
White Background

This preview shows how the CIELCh color 85, 49.600, 124.755 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



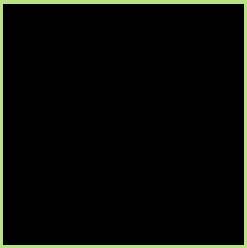
This preview shows how the CIELCh color 85, 49.600, 124.755 looks on a black background.

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, 49.600, 124.755 Background



This preview shows how black text looks on a background with the CIELCh color 85, 49.600, 124.755.

This preview shows how white text looks on a background with the CIELCh color 85, 49.600, 124.755.

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, 49.600, 124.755

Protanopia
85, 44.049, 96.082

Deuteranopia
85, 40.308, 74.734

Tritanopia
85, 10.206, 260.678

Trichromacy

Original Color
85, 49.600, 124.755

Protanomaly
85, 44.610, 107.897

Deuteranomaly
84, 39.204, 95.299

Tritanomaly
85, 15.002, 144.927

Monochromacy

Original Color
85, 49.600, 124.755

Achromatopsia
82, 0.010, 296.813

Achromatomaly
83, 18.156, 125.629

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 85, 49.600, 124.755 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(185, 225, 133) looks like.

```
.text, #text, p{
    color:rgb(185, 225, 133)
}
```

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(185, 225, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 225, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 85, 49.600, 124.755 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(185, 225, 133) }
```

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

```
.border{ border-color:rgb(185, 225, 133) }
```

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

Here you see how a box with a 4 pixel rgb(185, 225, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(185, 225, 133); -webkit-box-shadow:4px 4px 4px 4px rgb(185, 225, 133); box-shadow:4px 4px 4px 4px rgb(185, 225, 133) }
```

Background

The CSS property to change the background color of an element to CIELCh 85, 49.600, 124.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(185, 225, 133) }
```

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

```
.background{ background-color:rgb(185,
225, 133) }
```

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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