Converting Colors

CIELCh(68, 50.623, 126.220)

Have a look what the booklet for CIELCh(68, 50.623, 126.220) contains.

Color

CIELCh(68, 50.854, 126.374)

Conversions

Conversions Part 1

Format	Color
Hex	87B359
RGB	135, 179, 89
RGB Percent	53%, 70%, 35%
CMY	0.4717, 0.2991, 0.6520
CMYK	0.25, 0.00, 0.50, 0.30
HSL	89°, 37%, 52%
HSV	89°, 50%, 70%
XYZ	27.8028, 37.9720, 15.2577
YIQ	155.5840, 2.6660, -37.3180

Conversions

Conversions Part 2

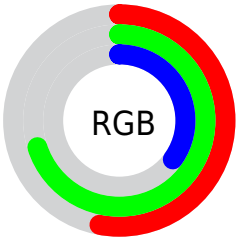
Format	Color
RYB	89, 179, 133
Decimal	8893273
CIELab	68.00, -30.16, 40.95
CIELCh	68, 50.854, 126.374
Yxy	37.9720, 0.3431, 0.4686
Android (android.graphics.Color)	4287083353 (0xFF87B359)
YUV	155.5840, -32.8259, -18.0522
Hunter-Lab	61.6215, -27.3006, 28.4546

Details

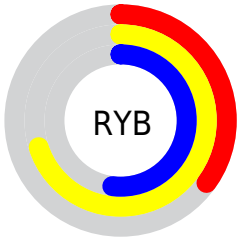
The CIELCh color 68, 50.854, 126.374 is a dark color, and the websafe version is hex 99CC66. A complement of this color would be 46, 54.861, 311.257, and the grayscale version is 64, 0.008, 296.813.

A 20% lighter version of the original color is 88, 50.855, 126.416, and 48, 50.953, 126.524 is the 20% darker color. If you saturate the color by 10%, you get 67, 59.930, 126.051, and if you desaturate by 10%, it is 69, 41.184, 126.804.

Distribution

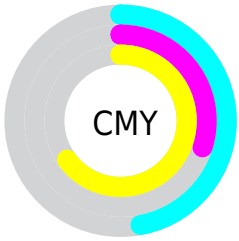


- Red (53%)
- Green (70%)
- Blue (35%)



- Red (35%)
- Yellow (70%)
- Blue (52%)

- Cyan (25%)
- Magenta (0%)
- Yellow (50%)
- Black (30%)



- Cyan (47%)
- Magenta (30%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 50.854, 126.374 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 68, 50.854, 126.374 by changing the saturation by 10% instead.

68, 50.854, 126.374

100, 50.854, 126.374

88, 50.854, 126.374

98, 50.854, 126.374

68, 50.854, 126.374

58, 50.854, 126.374

48, 50.854, 126.374

38, 50.854, 126.374

28, 50.854, 126.374

18, 50.854, 126.374

8, 50.854, 126.374

0, 50.854, 126.374

68, 50.854, 126.374

67, 59.930, 126.051

67, 68.074, 125.919

66, 74.867, 126.095

66, 79.898, 126.701

65, 83.220, 127.636

68, 50.854, 126.374

69, 41.184, 126.804

70, 31.155, 127.279

71, 20.936, 127.763

72, 10.639, 128.236

73, 0.348, 128.971

74, 9.883, 309.066

75, 20.012, 309.445

77, 30.009, 309.785

78, 39.856, 310.090

Harmonies

Complementary

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

68, 50.854, 126.374

46, 54.861, 311.257

Rectangle

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

68, 50.854, 126.374

68, 50.854, 176.374

68, 50.854, 306.374

68, 50.854, 356.374

Sweetspot

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

68, 50.855, 126.375

90, 19.084, 128.006

59, 32.846, 67.519

48, 13.127, 127.907

96, 0.011, 296.813

49, 0.007, 296.813

Same Dimension

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

68, 50.855, 126.375

85, 73.571, 126.035

66, 58.735, 140.051

37, 5.816, 128.284

56, 74.068, 127.434

7, 14.461, 132.396

Inverse Universe

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

46, 54.861, 311.257

53, 80.817, 311.781

52, 58.513, 326.528

35, 5.896, 309.088

23, 85.288, 311.815

1, 13.816, 304.875

Previews

White Background

This preview shows how the CIELCh color 68, 50.854, 126.374 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

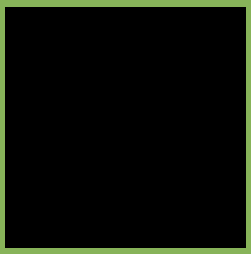
This preview shows how the CIELCh color 68, 50.854, 126.374 looks on a black background.

Color Contrast Check

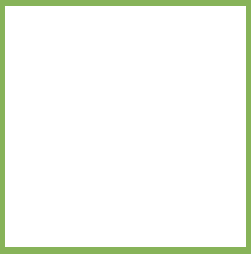
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

CIELCh 68, 50.854, 126.374 Background



This preview shows how black text looks on a background with the CIELCh color 68, 50.854, 126.374.



This preview shows how white text looks on a background with the CIELCh color 68, 50.854, 126.374.

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
68, 50.854, 126.374

Protanopia
68, 43.943, 95.759

Deuteranopia
68, 40.127, 78.086

Tritanopia
68, 10.313, 247.663

Trichromacy

Original Color
68, 50.854, 126.374

Protanomaly
68, 44.579, 108.347

Deuteranomaly
68, 40.013, 99.102

Tritanomaly
68, 17.322, 148.477

Monochromacy

Original Color
68, 50.854, 126.374

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 19.284, 127.632

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 50.854, 126.374 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(135, 179, 89) looks like.

```
.text, #text, p{
    color:rgb(135, 179, 89)
}
```

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(135, 179, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 179, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 50.854, 126.374 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(135, 179, 89) }
```

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

```
.border{ border-color:rgb(135, 179, 89) }
```

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

Here you see how a box with a 4 pixel rgb(135, 179, 89) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 179, 89); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 179, 89); box-shadow:4px 4px 4px 4px rgb(135, 179, 89) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 50.854, 126.374 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(135, 179, 89) }
```

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

```
.background{ background-color:rgb(135,
179, 89) }
```

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.

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

Learn more, Memberships starting at $2.50/m!

Follow me on Twitter!

@ConvertingColor