

Converting Colors

CIELCh(53, 13.859, 92.407)

Have a look what the booklet for
CIELCh(53, 13.859, 92.407) contains.

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Color

CIELCh(53, 13.785, 92.238)

Conversions

Conversions Part 1

Format	Color
Hex	877E67
RGB	135, 126, 103
RGB Percent	53%, 49%, 40%
CMY	0.4707, 0.5059, 0.5961
CMYK	0.00, 0.07, 0.24, 0.47
HSL	43°, 13%, 47%
HSV	43°, 24%, 53%
XYZ	19.8953, 21.0462, 15.8419
YIQ	126.0690, 12.7470, -5.2450

Conversions

Conversions Part 2

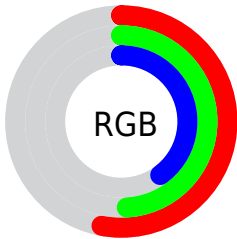
Format	Color
R_{YB}	116, 135, 103
Decimal	8879719
CIE Lab	53.00, -0.54, 13.77
CIE LCh	53, 13.785, 92.238
Yxy	21.0462, 0.3504, 0.3706
Android (android.graphics.Color)	4287069799 (0xFF877E67)
YUV	126.0690, -11.3730, 7.8325
Hunter-Lab	45.8761, -2.8722, 11.6394

Details

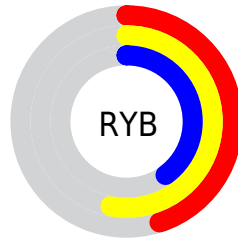
The CIELCh color **53, 13.785, 92.238** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 13.901, 278.312**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 14.065, 92.481**, and **33, 13.696, 91.562** is the 20% darker color. If you saturate the color by 10%, you get **52, 19.721, 90.996**, and if you desaturate by 10%, it is **54, 7.912, 93.453**.

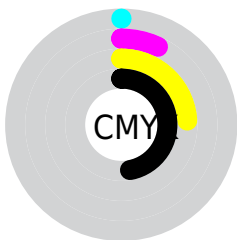
Distribution



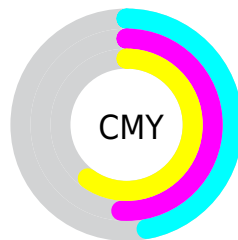
- Red (53%)
- Green (49%)
- Blue (40%)



- Red (45%)
- Yellow (53%)
- Blue (40%)



- Cyan (0%)
- Magenta (7%)
- Yellow (24%)
- Black (47%)



- Cyan (47%)
- Magenta (51%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 13.785, 92.238 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 53, 13.785, 92.238 by changing the saturation by 10% instead.

■ 53, 13.785, 92.238

■ 53, 13.785, 92.238

■ 100, 13.785,
92.238

■ 43, 13.785, 92.238

■ 73, 13.785, 92.238

■ 33, 13.785, 92.238

■ 83, 13.785, 92.238

■ 23, 13.785, 92.238

■ 93, 13.785, 92.238

■ 13, 13.785, 92.238

■ 3, 13.785, 92.238

■ 0, 13.785, 92.238

■ 53, 13.785, 92.238

■ 53, 13.785, 92.238

■ 52, 19.721, 90.996

■ 54, 7.912, 93.453

■ 50, 25.677, 89.713

■ 56, 2.118, 94.576

49, 31.576, 88.395

57, 3.589, 275.826

48, 37.279, 87.035

59, 9.206, 276.888

47, 42.545, 85.609

60, 14.737,
277.922

46, 46.993, 84.064

62, 20.186,
278.910

44, 50.142, 82.307

44, 51.910, 81.204

63, 25.558,
279.851

65, 30.858,
280.744

66, 36.090,
281.589

Harmonies

Complementary

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



53, 13.785, 92.238



47, 13.901, 278.312

Rectangle

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



53, 13.785, 92.238



53, 13.785, 142.238



53, 13.785, 272.238



53, 13.785, 322.238

Sweetspot

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



53, 13.786, 92.245



71, 4.989, 94.210



47, 14.335, 359.513



37, 3.269, 94.157



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 13.786, 92.245



67, 20.284, 91.635



55, 18.415, 117.114



27, 3.196, 93.989



42, 50.543, 81.295



1, 0.763, 95.071

Inverse Universe

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



47, 13.901, 278.312



59, 20.497, 279.136



45, 19.337, 300.381



26, 3.212, 276.212



20, 62.289, 298.260



0, 0.763, 275.077

Previews

White Background



This preview shows how the CIELCh color 53, 13.785, 92.238 looks on a white background.

Color Contrast Check

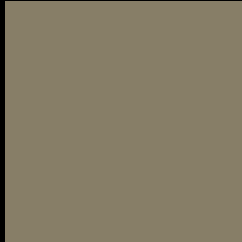
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 13.785, 92.238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

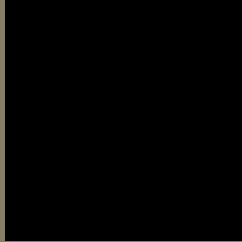
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 53, 13.785, 92.238

Background



This preview shows how black text looks on a background with the CIELCh color 53, 13.785, 92.238.



This preview shows how white text looks on a background with the CIELCh color 53, 13.785, 92.238.

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


53, 13.785, 92.238

Protanopia

53, 13.669, 93.976

Deuteranopia

53, 15.114, 63.093



Tritanopia
53, 8.920, 340.069

Trichromacy



Original Color
53, 13.785, 92.238

Protanomaly
53, 13.669, 93.976

Deuteranomaly
53, 14.022, 70.780

Tritanomaly
53, 6.257, 30.584

Monochromacy



Original Color
53, 13.785, 92.238

Achromatopsia
53, 0.007, 296.813

Achromatomaly
53, 4.763, 94.665

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 13.785, 92.238 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, 126, 103)` looks like.

```
.text, #text, p{  
    color:rgb(135, 126, 103)  
}
```

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, 126, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 126, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 13.785, 92.238 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, 126, 103) }
```

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

```
.border{ border-color:rgb(135, 126, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 126, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(135, 126, 103); -webkit-box-shadow:4px 4px 4px 4px rgb(135, 126, 103); box-shadow:4px 4px 4px 4px rgb(135, 126, 103) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 13.785, 92.238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 126, 103) }
```

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

```
.background{ background-color: rgb(135,  
126, 103) }
```

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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