

Converting Colors

CIELCh(51, 13.675, 69.319)

Have a look what the booklet for
CIELCh(51, 13.675, 69.319) contains.

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Color

CIELCh(51, 13.675, 69.319)

Conversions

Conversions Part 1

Format	Color
Hex	8A7664
RGB	138, 118, 100
RGB Percent	54%, 46%, 39%
CMY	0.4590, 0.5374, 0.6080
CMYK	0.00, 0.14, 0.28, 0.46
HSL	28°, 16%, 47%
HSV	28°, 28%, 54%
XYZ	19.2485, 19.2686, 14.7529
YIQ	121.9280, 17.6980, -1.3580

Conversions

Conversions Part 2

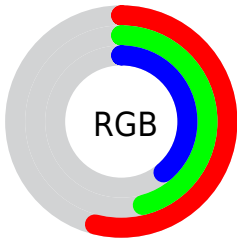
Format	Color
RYB	138, 134, 100
Decimal	9074276
CIELab	51.00, 4.83, 12.79
CIElCh	51, 13.675, 69.319
Yxy	19.2686, 0.3613, 0.3617
Android (android.graphics.Color)	4287264356 (0xFF8A7664)
YUV	121.9280, -10.8105, 14.0951
Hunter-Lab	43.8960, 1.4546, 10.8005

Details

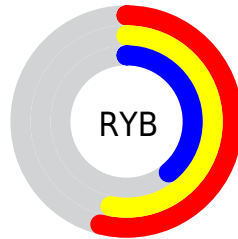
The CIELCh color **51, 13.675, 69.319** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **49, 12.564, 256.506**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 13.626, 68.846**, and **31, 13.739, 70.950** is the 20% darker color. If you saturate the color by 10%, you get **49, 19.119, 68.169**, and if you desaturate by 10%, it is **53, 8.494, 70.477**.

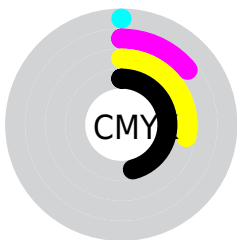
Distribution



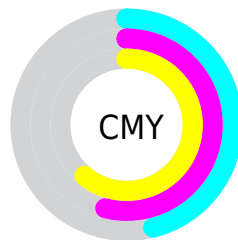
- Red (54%)
- Green (46%)
- Blue (39%)



- Red (54%)
- Yellow (53%)
- Blue (39%)



- Cyan (0%)
- Magenta (14%)
- Yellow (28%)
- Black (46%)



- Cyan (46%)
- Magenta (54%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 51, 13.675, 69.319 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 51, 13.675, 69.319 by changing the saturation by 10% instead.

■ 51, 13.675, 69.319

■ 51, 13.675, 69.319

■ 100, 13.675,
69.319

■ 41, 13.675, 69.319

■ 71, 13.675, 69.319

■ 31, 13.675, 69.319

■ 81, 13.675, 69.319

■ 21, 13.675, 69.319

■ 91, 13.675, 69.319

■ 11, 13.675, 69.319

■ 1, 13.675, 69.319

■ 0, 13.675, 69.319

■ 51, 13.675, 69.319

■ 51, 13.675, 69.319

■ 49, 19.119, 68.169

■ 53, 8.494, 70.477

■ 47, 24.823, 67.009

■ 56, 3.561, 71.583

44, 30.754, 65.843

58, 1.142, 253.062

42, 36.820, 64.640

60, 5.637, 253.970

40, 42.814, 63.325

63, 9.947, 255.031

39, 48.324, 61.730

65, 14.093,
256.072

37, 53.024, 59.795

68, 18.094,
257.080

36, 54.305, 59.459

70, 21.965,
258.049

73, 25.723,
258.979

Harmonies

Complementary

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



51, 13.675, 69.319



49, 12.564, 256.506

Rectangle

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



51, 13.675, 69.319



51, 13.675, 119.319



51, 13.675, 249.319



51, 13.675, 299.319

Sweetspot

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



51, 13.675, 69.327



70, 4.670, 71.517



47, 19.446, 344.233



36, 3.317, 71.373



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



51, 13.675, 69.327



63, 20.539, 68.614



56, 20.757, 106.164



28, 2.672, 71.413



35, 52.722, 59.613



1, 1.218, 72.519

Inverse Universe

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



49, 12.564, 256.506



61, 18.467, 257.676



44, 22.024, 292.074



28, 2.608, 253.709



30, 41.063, 279.963



1, 1.218, 252.533

Previews

White Background



This preview shows how the CIELCh color 51, 13.675, 69.319 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 CIE LCh color 51, 13.675, 69.319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

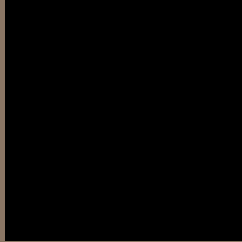
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 13.675, 69.319

Background



This preview shows how black text looks on a background with the CIELCh color 51, 13.675, 69.319.



This preview shows how white text looks on a background with the CIELCh color 51, 13.675, 69.319.

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


51, 13.675, 69.319

Protanopia

51, 11.414, 93.536

Deuteranopia

51, 14.497, 62.680



Tritanopia
51, 11.790, 354.583

Trichromacy



Original Color
51, 13.675, 69.319

Protanomaly
51, 12.194, 83.649

Deuteranomaly
51, 14.171, 63.883

Tritanomaly
51, 10.047, 23.804

Monochromacy



Original Color
51, 13.675, 69.319

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 4.976, 74.088

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 13.675, 69.319 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(138, 118, 100)` looks like.

```
.text, #text, p{  
    color:rgb(138, 118, 100)  
}
```

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(138, 118, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 118, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 13.675, 69.319 is called "border". The border property can be set on classes, ids or directly on the HTML element.

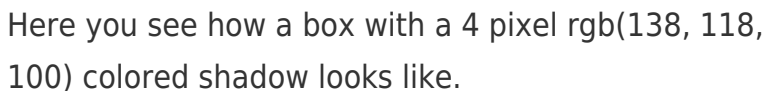
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 118, 100) }
```

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

```
.border{ border-color:rgb(138, 118, 100) }
```

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



Here you see how a box with a 4 pixel `rgb(138, 118, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 118, 100); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 118, 100); box-shadow:4px 4px 4px 4px rgb(138, 118, 100) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 13.675, 69.319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 118, 100) }
```

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

```
.background{ background-color: rgb(138,  
118, 100) }
```

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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