

Converting Colors

CIELCh(57, 24.439, 91.850)

Have a look what the booklet for
CIELCh(57, 24.439, 91.850) contains.

CIELCh(57, 24.642, 91.758)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(57, 24.642, 91.758)

Conversions

Conversions Part 1

Format	Color
Hex	97885E
RGB	151, 136, 94
RGB Percent	59%, 53%, 37%
CMY	0.4086, 0.4674, 0.6321
CMYK	0.00, 0.10, 0.38, 0.41
HSL	44°, 23%, 48%
HSV	44°, 38%, 59%
XYZ	23.5179, 24.9227, 14.1195
YIQ	135.6970, 22.4220, -9.8820

Conversions

Conversions Part 2

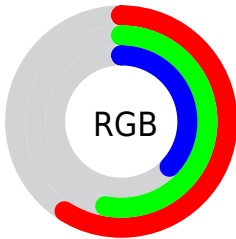
Format	Color
RYB	114, 151, 94
Decimal	9930846
CIELab	57.00, -0.76, 24.63
CIELCh	57, 24.642, 91.758
Yxy	24.9227, 0.3759, 0.3984
Android (android.graphics.Color)	4288120926 (0xFF97885E)
YUV	135.6970, -20.5566, 13.4207
Hunter-Lab	49.9226, -3.2754, 18.1770

Details

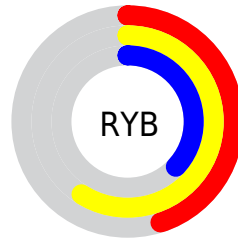
The CIELCh color $57, 24.642, 91.758$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $46, 25.223, 282.120$, and the grayscale version is $57, 0.007, 296.813$.

A 20% lighter version of the original color is $77, 24.472, 91.570$, and $37, 24.533, 91.099$ is the 20% darker color. If you saturate the color by 10%, you get $56, 31.211, 90.472$, and if you desaturate by 10%, it is $58, 18.045, 93.021$.

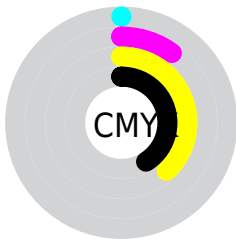
Distribution



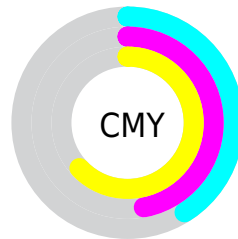
- Red (59%)
- Green (53%)
- Blue (37%)



- Red (45%)
- Yellow (59%)
- Blue (37%)



- Cyan (0%)
- Magenta (10%)
- Yellow (38%)
- Black (41%)



- Cyan (41%)
- Magenta (47%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 24.642, 91.758 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 57, 24.642, 91.758 by changing the saturation by 10% instead.

■ 57, 24.642, 91.758

■ 57, 24.642, 91.758

■ 100, 24.642,
91.758

■ 47, 24.642, 91.758

■ 77, 24.642, 91.758

■ 37, 24.642, 91.758

■ 87, 24.642, 91.758

■ 27, 24.642, 91.758

■ 97, 24.642, 91.758

■ 17, 24.642, 91.758

■ 7, 24.642, 91.758

■ 0, 24.642, 91.758

■ 57, 24.642, 91.758

■ 57, 24.642, 91.758

■ 56, 31.211, 90.472

■ 58, 18.045, 93.021

■ 54, 37.631, 89.149

■ 60, 11.482, 94.244

53, 43.694, 87.782

61, 4.989, 95.417

52, 49.057, 86.338

63, 1.419, 276.708

51, 53.222, 84.755

64, 7.737, 277.722

50, 55.909, 82.979

66, 13.965,
278.770

49, 56.502, 82.598

67, 20.105,
279.774

69, 26.161,
280.731

71, 32.139,
281.639

Harmonies

Complementary

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



57, 24.642, 91.758



46, 25.223, 282.120

Rectangle

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



57, 24.642, 91.758



57, 24.642, 141.758



57, 24.642, 271.758



57, 24.642, 321.758

Sweetspot

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



57, 24.643, 91.763



77, 8.766, 95.022



46, 25.411, 2.709



41, 5.942, 94.878



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



57, 24.643, 91.763



71, 36.446, 90.717



60, 31.919, 116.897



32, 3.669, 95.251



46, 53.613, 82.749



3, 3.903, 95.481

Inverse Universe

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



46, 25.223, 282.120



56, 37.639, 283.849



43, 34.671, 302.272



30, 3.693, 277.495



21, 67.977, 299.345



1, 3.975, 276.650

Previews

White Background



This preview shows how the CIELCh color 57, 24.642, 91.758 looks on a white background.

Color Contrast Check

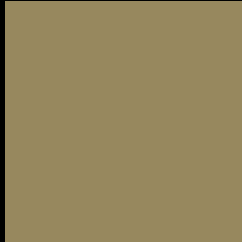
Large Text (above 18pt) WCAG AA ✓ Pass

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 57, 24.642, 91.758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

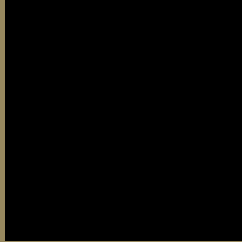
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 57, 24.642, 91.758

Background



This preview shows how black text looks on a background with the CIELCh color 57, 24.642, 91.758.



This preview shows how white text looks on a background with the CIELCh color 57, 24.642, 91.758.

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


57, 24.642, 91.758

Protanopia

57, 24.713, 95.987

Deuteranopia

57, 25.162, 73.260



Tritanopia
57, 11.786, 351.899

Trichromacy



Original Color
57, 24.642, 91.758

Protanomaly
57, 24.809, 94.987

Deuteranomaly
57, 24.587, 79.622

Tritanomaly
57, 10.498, 49.184

Monochromacy



Original Color
57, 24.642, 91.758

Achromatopsia
57, 0.007, 296.813

Achromatomaly
57, 8.761, 95.585

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 24.642, 91.758 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(151, 136, 94)` looks like.

```
.text, #text, p{  
    color:rgb(151, 136, 94)  
}
```

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(151, 136, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 136, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 24.642, 91.758 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(151, 136, 94) }
```

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

```
.border{ border-color:rgb(151, 136, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 136, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 136, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 136, 94);  
box-shadow:4px 4px 4px 4px rgb(151, 136,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 24.642, 91.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 136, 94) }
```

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

```
.background{ background-color: rgb(151,  
136, 94) }
```

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