

Converting Colors

CIELCh(73, 58.266, 93.471)

Have a look what the booklet for
CIELCh(73, 58.266, 93.471) contains.

CIELCh(73, 57.963, 93.444)	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(73, 57.963, 93.444)

Conversions

Conversions Part 1

Format	Color
Hex	CBB243
RGB	203, 178, 67
RGB Percent	80%, 70%, 26%
CMY	0.2022, 0.3004, 0.7357
CMYK	0.00, 0.12, 0.67, 0.20
HSL	49°, 57%, 53%
HSV	49°, 67%, 80%
XYZ	41.7690, 45.1644, 11.8879
YIQ	172.8210, 50.5310, -29.2210

Conversions

Conversions Part 2

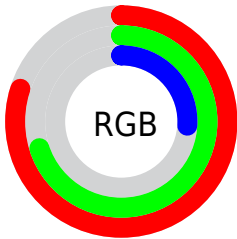
Format	Color
R _Y B	98, 203, 67
Decimal	13349443
CIE Lab	73.00, -3.48, 57.86
CIE LCh	73, 57.963, 93.444
Yxy	45.1644, 0.4227, 0.4570
Android (android.graphics.Color)	4291539523 (0xFFCBB243)
YUV	172.8210, -52.1698, 26.4670
Hunter-Lab	67.2044, -6.6661, 36.5552

Details

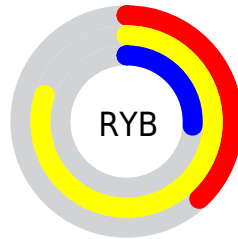
The CIELCh color **73, 57.963, 93.444** is a light color, and the websafe version is hex **CC9933**. The color can be described as light muted orange. A complement of this color would be **43, 66.230, 293.964**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **92, 57.301, 96.398**, and **53, 58.078, 93.794** is the 20% darker color. If you saturate the color by 10%, you get **72, 64.605, 92.216**, and if you desaturate by 10%, it is **74, 50.177, 94.666**.

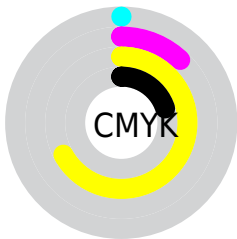
Distribution



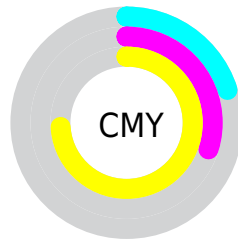
- Red (80%)
- Green (70%)
- Blue (26%)



- Red (38%)
- Yellow (80%)
- Blue (26%)



- Cyan (0%)
- Magenta (12%)
- Yellow (67%)
- Black (20%)



- Cyan (20%)
- Magenta (30%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 73, 57.963, 93.444 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 73, 57.963, 93.444 by changing the saturation by 10% instead.

73, 57.963, 93.444

73, 57.963, 93.444

100, 57.963,
93.444

63, 57.963, 93.444

93, 57.963, 93.444

53, 57.963, 93.444

43, 57.963, 93.444

33, 57.963, 93.444

23, 57.963, 93.444

13, 57.963, 93.444

3, 57.963, 93.444

0, 57.963, 93.444

73, 57.963, 93.444

73, 57.963, 93.444

72, 64.605, 92.216

74, 50.177, 94.666

71, 69.462, 90.945

75, 41.735, 95.879

70, 72.008, 89.583

77, 32.953, 97.084

69, 72.573, 89.149

78, 24.021, 98.274

79, 15.051, 99.439

81, 6.105, 100.563

82, 2.783, 281.743

84, 11.594,
282.762

85, 20.320,
283.772

Harmonies

Complementary

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



73, 57.963, 93.444



43, 66.230, 293.964

Rectangle

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



73, 57.963, 93.444



73, 57.963, 143.444



73, 57.963, 273.444



73, 57.963, 323.444

Sweetspot

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



73, 57.963, 93.447



97, 21.453, 99.047



49, 57.424, 14.786



51, 14.645, 98.715



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 57.963, 93.447



88, 79.311, 91.691



77, 69.092, 118.451



42, 5.058, 100.285



58, 62.406, 89.377



12, 17.834, 93.323

Inverse Universe

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



43, 66.230, 293.964



46, 97.165, 298.079



41, 81.024, 307.125



40, 5.122, 282.471



23, 85.633, 302.742



3, 20.553, 287.460

Previews

White Background



This preview shows how the CIELCh color 73, 57.963, 93.444 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 73, 57.963, 93.444 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 73, 57.963, 93.444

Background



This preview shows how black text looks on a background with the CIELCh color 73, 57.963, 93.444.

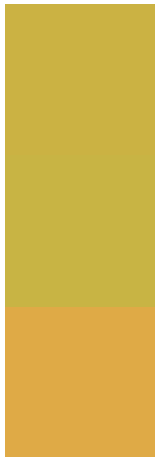


This preview shows how white text looks on a background with the CIELCh color 73, 57.963, 93.444.

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

73, 57.963, 93.444

Protanopia

73, 57.912, 95.708

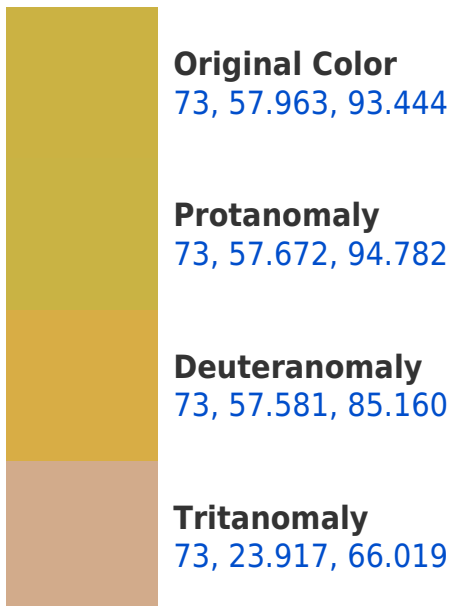
Deuteranopia

73, 57.921, 80.561



Tritanopia
73, 18.893, 359.404

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 57.963, 93.444 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(203, 178, 67)` looks like.

```
.text, #text, p{  
    color:rgb(203, 178, 67)  
}
```

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(203, 178, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 178, 67) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 57.963, 93.444 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(203, 178, 67) }
```

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

```
.border{ border-color:rgb(203, 178, 67) }
```

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

Here you see how a box with a 4 pixel rgb(203, 178, 67) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 178, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 178, 67);  
box-shadow:4px 4px 4px 4px rgb(203, 178,  
67) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 57.963, 93.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 178, 67) }
```

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

```
.background{ background-color: rgb(203,  
178, 67) }
```

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