

Converting Colors

CIELCh(75, 68.129, 88.714)

Have a look what the booklet for
CIELCh(75, 68.129, 88.714) contains.

CIELCh(75, 68.128, 88.847)	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(75, 68.128, 88.847)

Conversions

Conversions Part 1

Format	Color
Hex	DCB52F
RGB	220, 181, 47
RGB Percent	86%, 71%, 18%
CMY	0.1387, 0.2914, 0.8171
CMYK	0.00, 0.18, 0.79, 0.14
HSL	46°, 71%, 52%
HSV	46°, 79%, 86%
XYZ	46.3697, 48.2781, 9.5247
YIQ	177.3850, 66.2580, -33.4060

Conversions

Conversions Part 2

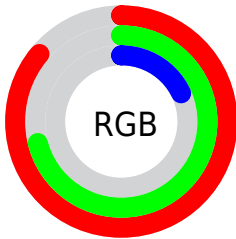
Format	Color
R _Y B	97, 220, 47
Decimal	14464303
CIE Lab	75.00, 1.37, 68.11
CIE LCh	75, 68.128, 88.847
Yxy	48.2781, 0.4451, 0.4634
Android (android.graphics.Color)	4292654383 (0xFFDCB52F)
YUV	177.3850, -64.2798, 37.3734
Hunter-Lab	69.4824, -2.4708, 40.5102

Details

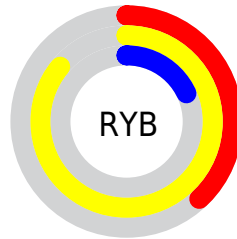
The CIELCh color **75, 68.128, 88.847** is a dark color, and the websafe version is hex **CC9900**. The color can be described as middle washed orange. A complement of this color would be **42, 80.033, 295.605**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 65.756, 98.344**, and **55, 60.675, 88.158** is the 20% darker color. If you saturate the color by 10%, you get **74, 72.901, 87.340**, and if you desaturate by 10%, it is **76, 61.357, 90.242**.

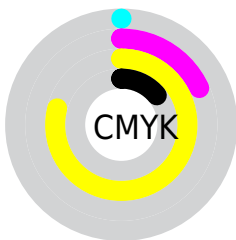
Distribution



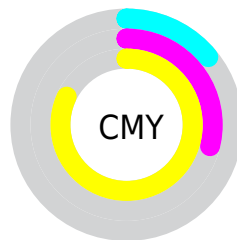
- Red (86%)
- Green (71%)
- Blue (18%)



- Red (38%)
- Yellow (86%)
- Blue (18%)



- Cyan (0%)
- Magenta (18%)
- Yellow (79%)
- Black (14%)



- Cyan (14%)
- Magenta (29%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 68.128, 88.847 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 75, 68.128, 88.847 by changing the saturation by 10% instead.

 75, 68.128, 88.847

 75, 68.128, 88.847

 100, 68.128,
88.847

 65, 68.128, 88.847

 95, 68.128, 88.847

 55, 68.128, 88.847

 45, 68.128, 88.847

 35, 68.128, 88.847

 25, 68.128, 88.847

 15, 68.128, 88.847

 5, 68.128, 88.847

 0, 68.128, 88.847

 75, 68.128, 88.847

 75, 68.128, 88.847

74, 72.901, 87.340

76, 61.357, 90.242

72, 75.244, 85.641

78, 53.325, 91.576

72, 75.474, 85.428

79, 44.593, 92.879

81, 35.520, 94.157

83, 26.318, 95.411

84, 17.106, 96.634

86, 7.949, 97.814

88, 1.121, 279.154

90, 10.089,
280.116

Harmonies

Complementary

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



75, 68.128, 88.847



42, 80.033, 295.605

Rectangle

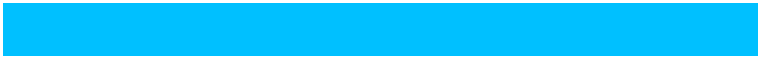
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75, 68.128, 88.847



75, 68.128, 138.847



75, 68.128, 268.847



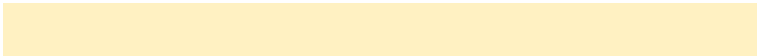
75, 68.128, 318.847

Sweetspot

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



75, 68.128, 88.850



95, 24.746, 95.974



49, 69.734, 16.770



50, 17.020, 95.532



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



75, 68.128, 88.850



83, 83.628, 86.159



82, 81.917, 116.987



45, 5.142, 97.738



58, 63.355, 85.749



14, 21.272, 88.926

Inverse Universe

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



42, 80.033, 295.605



40, 110.301, 300.787



37, 100.760, 307.378



43, 5.192, 280.021



25, 84.821, 301.436



4, 25.054, 289.421

Previews

White Background



This preview shows how the CIELCh color 75, 68.128, 88.847 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 75, 68.128, 88.847 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 75, 68.128, 88.847

Background



This preview shows how black text looks on a background with the CIELCh color 75, 68.128, 88.847.



This preview shows how white text looks on a background with the CIELCh color 75, 68.128, 88.847.

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

75, 68.128, 88.847

Protanopia

75, 67.540, 94.992

Deuteranopia

75, 68.363, 81.780



Tritanopia
75, 23.900, 6.075

Trichromacy



Original Color
75, 68.128, 88.847

Protanomaly
75, 67.351, 92.642

Deuteranomaly
75, 68.263, 84.144

Tritanomaly
75, 31.857, 63.599

Monochromacy



Original Color
75, 68.128, 88.847

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 26.587, 94.087

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 68.128, 88.847 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(220, 181, 47)` looks like.

```
.text, #text, p{  
    color:rgb(220, 181, 47)  
}
```

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(220, 181, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 181, 47) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 68.128, 88.847 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(220, 181, 47) }
```

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

```
.border{ border-color:rgb(220, 181, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 181, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 181, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 181, 47);  
box-shadow:4px 4px 4px 4px rgb(220, 181,  
47) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 68.128, 88.847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 181, 47) }
```

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

```
.background{ background-color: rgb(220,  
181, 47) }
```

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