

Converting Colors

CIELCh(75, 22.843, 84.999)

Have a look what the booklet for
CIELCh(75, 22.843, 84.999) contains.

CIELCh(75, 22.843, 84.999)	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, 22.843, 84.999)

Conversions

Conversions Part 1

Format	Color
Hex	CCB68F
RGB	204, 182, 143
RGB Percent	80%, 71%, 56%
CMY	0.2000, 0.2862, 0.4392
CMYK	0.00, 0.11, 0.30, 0.20
HSL	38°, 37%, 68%
HSV	38°, 30%, 80%
XYZ	46.5893, 48.2781, 32.8511
YIQ	184.1320, 25.6310, -7.4650

Conversions

Conversions Part 2

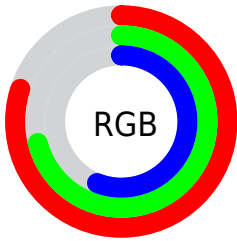
Format	Color
RYB	177, 204, 143
Decimal	13416079
CIELab	75.00, 1.99, 22.76
CIElCh	75, 22.843, 84.999
Yxy	48.2781, 0.3648, 0.3780
Android (android.graphics.Color)	4291606159 (0xFFCCB68F)
YUV	184.1320, -20.2781, 17.4242
Hunter-Lab	69.4824, -1.9066, 20.6056

Details

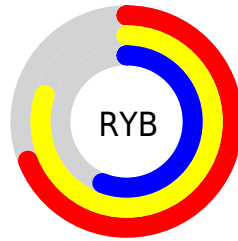
The CIELCh color $75, 22.843, 84.999$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $67, 22.455, 273.550$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 21.956, 91.345$, and $55, 22.982, 84.813$ is the 20% darker color. If you saturate the color by 10%, you get $73, 30.819, 83.634$, and if you desaturate by 10%, it is $77, 15.020, 86.335$.

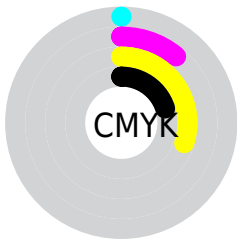
Distribution



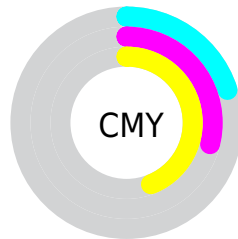
- Red (80%)
- Green (71%)
- Blue (56%)



- Red (69%)
- Yellow (80%)
- Blue (56%)



- Cyan (0%)
- Magenta (11%)
- Yellow (30%)
- Black (20%)



- Cyan (20%)
- Magenta (29%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 22.843, 84.999 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, 22.843, 84.999 by changing the saturation by 10% instead.

75, 22.843, 84.999

75, 22.843, 84.999

100, 22.843,
84.999

65, 22.843, 84.999

95, 22.843, 84.999

55, 22.843, 84.999

45, 22.843, 84.999

35, 22.843, 84.999

25, 22.843, 84.999

15, 22.843, 84.999

5, 22.843, 84.999

0, 22.843, 84.999

75, 22.843, 84.999

75, 22.843, 84.999

73, 30.819, 83.634

77, 15.020, 86.335

71, 38.877, 82.220

80, 7.376, 87.611

68, 46.871, 80.750

82, 0.082, 272.116

66, 54.517, 79.186

85, 7.361, 270.136

64, 61.315, 77.446

87, 14.472,
271.270

63, 66.504, 75.374

89, 16.506,
265.171

61, 69.711, 72.871

61, 69.743, 72.847

91, 14.570,
249.141

93, 14.002,
230.331

95, 14.927,
212.136

Harmonies

Complementary

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



75, 22.843, 84.999



67, 22.455, 273.550

Rectangle

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



75, 22.843, 84.999



75, 22.843, 134.999



75, 22.843, 264.999



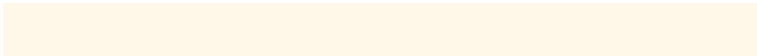
75, 22.843, 314.999

Sweetspot

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



75, 22.844, 85.005



97, 8.028, 87.708



66, 26.508, 354.674



52, 5.590, 87.526



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, 22.844, 85.005



90, 33.208, 84.109



80, 32.118, 113.115



42, 4.223, 87.673



50, 59.759, 73.346



10, 15.084, 75.491

Inverse Universe

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



67, 22.455, 273.550



79, 32.534, 274.898



62, 34.444, 298.239



40, 4.210, 270.159



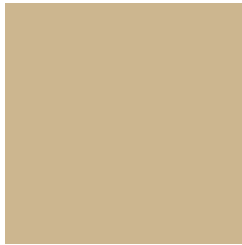
29, 67.191, 294.688



4, 17.725, 280.705

Previews

White Background



This preview shows how the CIELCh color 75, 22.843, 84.999 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, 22.843, 84.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

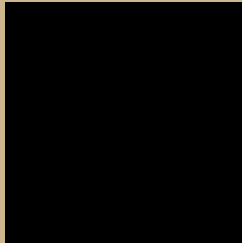
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 22.843, 84.999

Background



This preview shows how black text looks on a background with the CIELCh color 75, 22.843, 84.999.



This preview shows how white text looks on a background with the CIELCh color 75, 22.843, 84.999.

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, 22.843, 84.999

Protanopia

75, 22.087, 94.307

Deuteranopia

75, 24.151, 66.884



Tritanopia
75, 14.233, 351.252

Trichromacy



Original Color
75, 22.843, 84.999

Protanomaly
75, 22.063, 89.908

Deuteranomaly
75, 23.344, 72.942

Tritanomaly
75, 11.728, 36.145

Monochromacy



Original Color
75, 22.843, 84.999

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 8.128, 87.155

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 22.843, 84.999 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(204, 182, 143)` looks like.

```
.text, #text, p{  
    color:rgb(204, 182, 143)  
}
```

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(204, 182, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 182, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 22.843, 84.999 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(204, 182, 143) }
```

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

```
.border{ border-color:rgb(204, 182, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 182, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 182, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 182, 143);  
box-shadow:4px 4px 4px 4px rgb(204, 182,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 22.843, 84.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 182, 143) }
```

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

```
.background{ background-color: rgb(204,  
182, 143) }
```

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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