

Converting Colors

CIELCh(77, 33.269, 92.587)

Have a look what the booklet for
CIELCh(77, 33.269, 92.587) contains.

CIELCh(77, 33.457, 92.672)	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(77, 33.457, 92.672)

Conversions

Conversions Part 1

Format	Color
Hex	D1BD80
RGB	209, 189, 128
RGB Percent	82%, 74%, 50%
CMY	0.1802, 0.2587, 0.4979
CMYK	0.00, 0.10, 0.39, 0.18
HSL	45°, 47%, 66%
HSV	45°, 39%, 82%
XYZ	48.4099, 51.5317, 27.8294
YIQ	188.0260, 31.5010, -14.7310

Conversions

Conversions Part 2

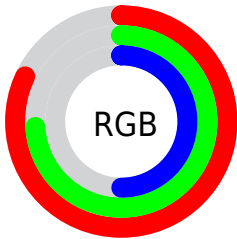
Format	Color
R _{YB}	155, 209, 128
Decimal	13745536
CIE Lab	77.00, -1.56, 33.42
CIE LCh	77, 33.457, 92.672
Yxy	51.5317, 0.3789, 0.4033
Android (android.graphics.Color)	4291935616 (0xFFD1BD80)
YUV	188.0260, -29.5928, 18.3942
Hunter-Lab	71.7856, -5.2502, 27.2648

Details

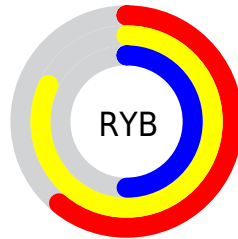
The CIELCh color **77, 33.457, 92.672** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **62, 34.535, 283.533**, and the grayscale version is **76, 0.009, 296.813**.

A 20% lighter version of the original color is **96, 32.669, 100.816**, and **57, 33.364, 92.903** is the 20% darker color. If you saturate the color by 10%, you get **75, 42.075, 91.370**, and if you desaturate by 10%, it is **79, 24.752, 93.953**.

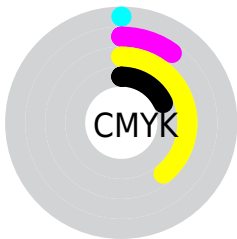
Distribution



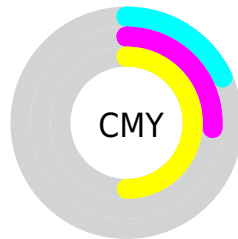
- Red (82%)
- Green (74%)
- Blue (50%)



- Red (61%)
- Yellow (82%)
- Blue (50%)



- Cyan (0%)
- Magenta (10%)
- Yellow (39%)
- Black (18%)



- Cyan (18%)
- Magenta (26%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 33.457, 92.672 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 77, 33.457, 92.672 by changing the saturation by 10% instead.

■ 77, 33.457, 92.672

■ 77, 33.457, 92.672

■ 100, 33.457,
92.672

■ 67, 33.457, 92.672

■ 97, 33.457, 92.672

■ 57, 33.457, 92.672

■ 47, 33.457, 92.672

■ 37, 33.457, 92.672

■ 27, 33.457, 92.672

■ 17, 33.457, 92.672

■ 7, 33.457, 92.672

■ 0, 33.457, 92.672

■ 77, 33.457, 92.672

■ 77, 33.457, 92.672

75, 42.075, 91.370

79, 24.752, 93.953

74, 50.413, 90.033

80, 16.064, 95.195

72, 58.142, 88.652

82, 7.448, 96.391

71, 64.733, 87.194

84, 1.068, 277.763

69, 69.474, 85.585

86, 9.474, 278.726

68, 71.931, 83.747

88, 17.765,
279.790

68, 72.191, 83.514

89, 16.290,
272.285

91, 14.448,
261.933

92, 13.190,
249.205

Harmonies

Complementary

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



77, 33.457, 92.672



62, 34.535, 283.533

Rectangle

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



77, 33.457, 92.672



77, 33.457, 142.672



77, 33.457, 272.672



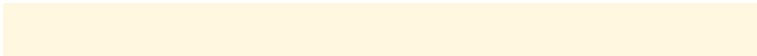
77, 33.457, 322.672

Sweetspot

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



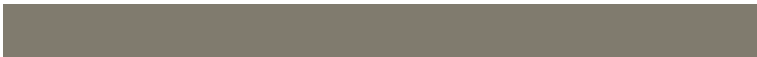
77, 33.458, 92.676



97, 12.031, 95.993



63, 33.935, 4.244



52, 7.987, 95.835



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 33.458, 92.676



91, 46.672, 91.663



81, 42.742, 117.487



43, 4.833, 96.314



56, 61.509, 83.854



12, 18.103, 87.452

Inverse Universe

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



62, 34.535, 283.533



70, 48.706, 285.255



58, 46.588, 302.989



41, 4.872, 278.626



25, 80.591, 300.523



3, 21.266, 286.497

Previews

White Background



This preview shows how the CIELCh color 77, 33.457, 92.672 looks on a white background.

Color Contrast Check

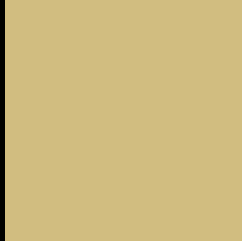
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 77, 33.457, 92.672 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 77, 33.457, 92.672

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.457, 92.672.



This preview shows how white text looks on a background with the CIELCh color 77, 33.457, 92.672.

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

77, 33.457, 92.672

Protanopia

77, 33.530, 95.617

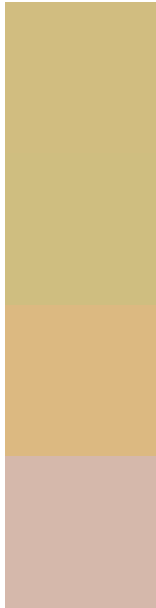
Deuteranopia

77, 33.979, 73.656



Tritanopia
77, 15.064, 350.918

Trichromacy



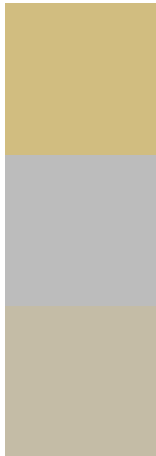
Original Color
77, 33.457, 92.672

Protanomaly
77, 33.622, 94.918

Deuteranomaly
77, 33.467, 81.298

Tritanomaly
77, 13.340, 51.390

Monochromacy



Original Color
77, 33.457, 92.672

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 12.173, 94.249

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.457, 92.672 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(209, 189, 128)` looks like.

```
.text, #text, p{  
    color:rgb(209, 189, 128)  
}
```

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(209, 189, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 189, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.457, 92.672 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(209, 189, 128) }
```

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

```
.border{ border-color:rgb(209, 189, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 189, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 189, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 189, 128);  
box-shadow:4px 4px 4px 4px rgb(209, 189,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.457, 92.672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 189, 128) }
```

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

```
.background{ background-color: rgb(209,  
189, 128) }
```

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