

Converting Colors

CIELCh(80, 32.682, 92.708)

Have a look what the booklet for
CIELCh(80, 32.682, 92.708) contains.

CIELCh(80, 32.712, 92.687)	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(80, 32.712, 92.687)

Conversions

Conversions Part 1

Format	Color
Hex	D9C589
RGB	217, 197, 137
RGB Percent	85%, 77%, 54%
CMY	0.1478, 0.2263, 0.4616
CMYK	0.00, 0.09, 0.37, 0.15
HSL	45°, 51%, 70%
HSV	45°, 37%, 85%
XYZ	53.2771, 56.6813, 31.9057
YIQ	196.1400, 31.1800, -14.4200

Conversions

Conversions Part 2

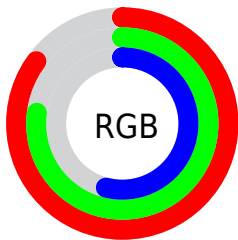
Format	Color
RYB	164, 217, 137
Decimal	14271881
CIELab	80.00, -1.53, 32.68
CIElCh	80, 32.712, 92.687
Yxy	56.6813, 0.3756, 0.3995
Android (android.graphics.Color)	4292461961 (0xFFD9C589)
YUV	196.1400, -29.1560, 18.2942
Hunter-Lab	75.2870, -5.4360, 27.5745

Details

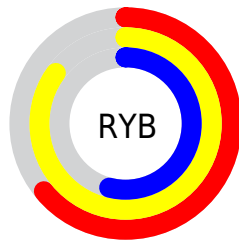
The CIELCh color **80, 32.712, 92.687** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 33.652, 282.958**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 31.740, 107.067**, and **60, 32.709, 92.255** is the 20% darker color. If you saturate the color by 10%, you get **78, 41.619, 91.383**, and if you desaturate by 10%, it is **82, 23.746, 93.969**.

Distribution



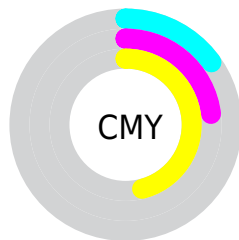
- Red (85%)
- Green (77%)
- Blue (54%)



- Red (64%)
- Yellow (85%)
- Blue (54%)



- Cyan (0%)
- Magenta (9%)
- Yellow (37%)
- Black (15%)



- Cyan (15%)
- Magenta (23%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 32.712, 92.687 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 80, 32.712, 92.687 by changing the saturation by 10% instead.

■ 80, 32.712, 92.687

■ 80, 32.712, 92.687

■ 100, 32.712,
92.687

■ 70, 32.712, 92.687

■ 60, 32.712, 92.687

■ 50, 32.712, 92.687

■ 40, 32.712, 92.687

■ 30, 32.712, 92.687

■ 20, 32.712, 92.687

■ 10, 32.712, 92.687

■ 0, 32.712, 92.687

■ 80, 32.712, 92.687

■ 80, 32.712, 92.687

78, 41.619, 91.383

82, 23.746, 93.969

77, 50.286, 90.044

84, 14.814, 95.210

75, 58.405, 88.663

85, 5.967, 96.398

73, 65.469, 87.208

87, 2.771, 277.667

72, 70.762, 85.615

89, 11.391,
278.731

71, 73.607, 83.779

91, 13.584,
273.124

70, 74.238, 83.170

92, 11.693,
259.841

94, 10.620,
242.877

95, 10.600,
224.220

Harmonies

Complementary

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



80, 32.712, 92.687



65, 33.652, 282.958

Rectangle

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



80, 32.712, 92.687



80, 32.712, 142.687



80, 32.712, 272.687



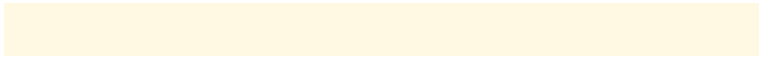
80, 32.712, 322.687

Sweetspot

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



80, 32.713, 92.692



98, 10.985, 95.900



66, 33.349, 2.713



52, 7.388, 95.737



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 32.713, 92.692



91, 44.535, 91.704



84, 41.887, 116.896



45, 5.010, 96.096



57, 62.807, 83.519



14, 20.806, 86.730

Inverse Universe

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



65, 33.652, 282.958



71, 46.263, 284.594



62, 45.503, 302.274



43, 5.049, 278.426



26, 82.236, 300.464



4, 24.544, 288.653

Previews

White Background



This preview shows how the CIELCh color 80, 32.712, 92.687 looks on a white background.

Color Contrast Check

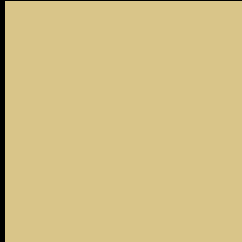
Large Text (above 18pt) WCAG AA × Fail

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 80, 32.712, 92.687 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

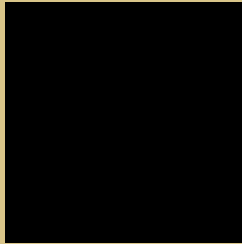
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 32.712, 92.687

Background



This preview shows how black text looks on a background with the CIELCh color 80, 32.712, 92.687.



This preview shows how white text looks on a background with the CIELCh color 80, 32.712, 92.687.

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

80, 32.712, 92.687

Protanopia

80, 32.281, 95.545

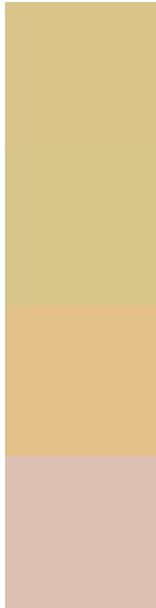
Deuteranopia

80, 33.471, 72.845



Tritanopia
80, 15.522, 349.867

Trichromacy



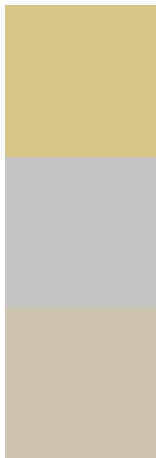
Original Color
80, 32.712, 92.687

Protanomaly
80, 32.373, 94.830

Deuteranomaly
80, 32.911, 80.525

Tritanomaly
80, 13.268, 48.689

Monochromacy



Original Color
80, 32.712, 92.687

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 11.564, 93.721

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 32.712, 92.687 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(217, 197, 137)` looks like.

```
.text, #text, p{  
    color:rgb(217, 197, 137)  
}
```

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(217, 197, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 197, 137) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 32.712, 92.687 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(217, 197, 137) }
```

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

```
.border{ border-color:rgb(217, 197, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 197, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(217, 197, 137); -webkit-box-shadow:4px 4px 4px 4px rgb(217, 197, 137); box-shadow:4px 4px 4px 4px rgb(217, 197, 137) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 32.712, 92.687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 197, 137) }
```

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

```
.background{ background-color: rgb(217,  
197, 137) }
```

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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