

Converting Colors

CIELCh(80, 6.523, 81.682)

Have a look what the booklet for
CIELCh(80, 6.523, 81.682) contains.

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Color

CIELCh(80, 6.556, 82.242)

Conversions

Conversions Part 1

Format	Color
Hex	CDC5BA
RGB	205, 197, 186
RGB Percent	80%, 77%, 73%
CMY	0.1947, 0.2261, 0.2692
CMYK	0.00, 0.04, 0.09, 0.19
HSL	35°, 16%, 77%
HSV	35°, 9%, 81%
XYZ	54.2203, 56.6813, 54.7313
YIQ	198.1380, 8.2990, -1.7250

Conversions

Conversions Part 2

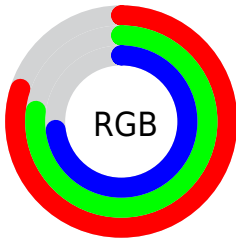
Format	Color
RYB	200, 205, 186
Decimal	13485498
CIELab	80.00, 0.88, 6.50
CIELCh	80, 6.556, 82.242
Yxy	56.6813, 0.3274, 0.3422
Android (android.graphics.Color)	4291675578 (0xFFCDC5BA)
YUV	198.1380, -5.9840, 6.0180
Hunter-Lab	75.2870, -3.1999, 9.5989

Details

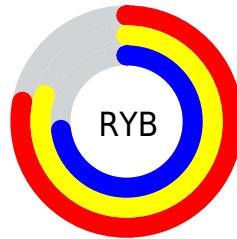
The CIELCh color `80, 6.556, 82.242` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78, 6.490, 264.754`, and the grayscale version is `80, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 6.084, 106.355`, and `60, 6.477, 79.679` is the 20% darker color. If you saturate the color by 10%, you get `77, 13.880, 80.988`, and if you desaturate by 10%, it is `83, 0.528, 264.158`.

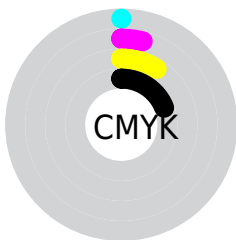
Distribution



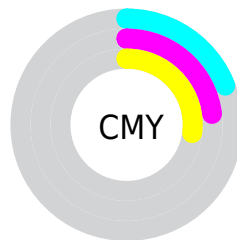
- Red (80%)
- Green (77%)
- Blue (73%)



- Red (78%)
- Yellow (80%)
- Blue (73%)



- Cyan (0%)
- Magenta (4%)
- Yellow (9%)
- Black (19%)



- Cyan (19%)
- Magenta (23%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 6.556, 82.242 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, 6.556, 82.242 by changing the saturation by 10% instead.

■ 80, 6.556, 82.242

■ 80, 6.556, 82.242

■ 100, 6.556, 82.242

■ 70, 6.556, 82.242

■ 60, 6.556, 82.242

■ 50, 6.556, 82.242

■ 40, 6.556, 82.242

■ 30, 6.556, 82.242

■ 20, 6.556, 82.242

■ 10, 6.556, 82.242

■ 0, 6.556, 82.242

■ 80, 6.556, 82.242

■ 80, 6.556, 82.242

77, 13.880, 80.988

83, 0.528, 264.158

75, 21.449, 79.663

86, 7.392, 264.825

72, 29.253, 78.301

88, 14.053,
265.973

70, 37.247, 76.902

91, 14.630,
254.249

67, 45.318, 75.452

65, 53.226, 73.907

93, 13.639,
232.049

63, 60.513, 72.171

95, 14.743,
210.244

60, 66.419, 70.055

58, 70.367, 67.398

97, 16.452,
198.413

Harmonies

Complementary

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



80, 6.556, 82.242



78, 6.490, 264.754

Rectangle

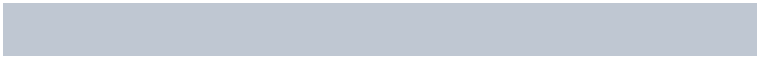
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80, 6.556, 82.242



80, 6.556, 132.242



80, 6.556, 262.242



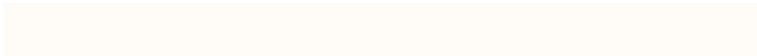
80, 6.556, 312.242

Sweetspot

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



80, 6.557, 82.261



99, 2.502, 82.950



77, 8.342, 348.172



53, 1.900, 82.879



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, 6.557, 82.261



96, 9.322, 82.028



82, 10.036, 112.007



42, 3.998, 82.245



48, 60.169, 67.787



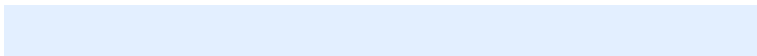
9, 14.585, 68.066

Inverse Universe

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



78, 6.490, 264.754



94, 9.197, 265.020



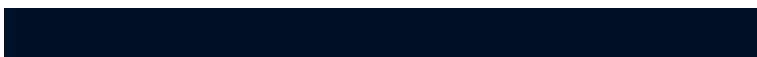
76, 10.255, 293.647



41, 3.956, 264.773



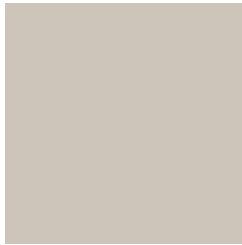
32, 60.426, 290.547



5, 16.634, 277.230

Previews

White Background



This preview shows how the CIELCh color 80, 6.556, 82.242 looks on a white background.

Color Contrast Check

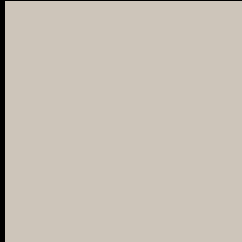
Large Text (above 18pt) WCAG AA × Fail

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 80, 6.556, 82.242 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

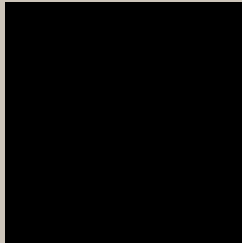
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

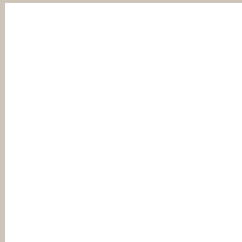
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 6.556, 82.242

Background



This preview shows how black text looks on a background with the CIELCh color 80, 6.556, 82.242.

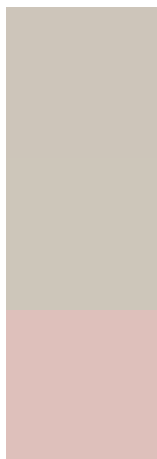


This preview shows how white text looks on a background with the CIELCh color 80, 6.556, 82.242.

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, 6.556, 82.242

Protanopia

80, 6.876, 87.017

Deuteranopia

80, 11.758, 33.204



Tritanopia
80, 9.715, 324.807

Trichromacy



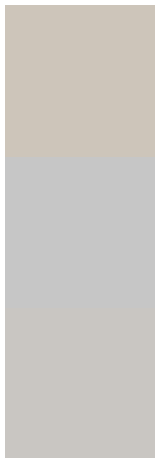
Original Color
80, 6.556, 82.242

Protanomaly
80, 6.876, 87.017

Deuteranomaly
80, 9.147, 43.819

Tritanomaly
80, 5.773, 346.233

Monochromacy



Original Color
80, 6.556, 82.242

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 2.381, 82.173

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 6.556, 82.242 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(205, 197, 186)` looks like.

```
.text, #text, p{  
    color:rgb(205, 197, 186)  
}
```

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(205, 197, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 197, 186) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 6.556, 82.242 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(205, 197, 186) }
```

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

```
.border{ border-color:rgb(205, 197, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 197, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 197, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 197, 186);  
box-shadow:4px 4px 4px 4px rgb(205, 197,  
186) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 6.556, 82.242 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 197, 186) }
```

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

```
.background{ background-color: rgb(205,  
197, 186) }
```

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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