

Converting Colors

CIELCh(80, 31.686, 96.148)

Have a look what the booklet for
CIELCh(80, 31.686, 96.148) contains.

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Color

CIELCh(80, 31.686, 96.148)

Conversions

Conversions Part 1

Format	Color
Hex	D5C68B
RGB	213, 198, 139
RGB Percent	84%, 78%, 55%
CMY	0.1629, 0.2218, 0.4532
CMYK	0.00, 0.07, 0.35, 0.16
HSL	48°, 47%, 69%
HSV	48°, 35%, 84%
XYZ	52.5593, 56.6813, 32.7579
YIQ	195.7590, 27.8790, -15.1690

Conversions

Conversions Part 2

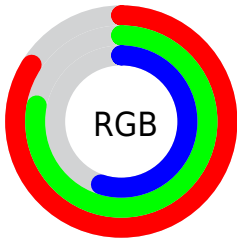
Format	Color
R _{YB}	158, 213, 139
Decimal	14009995
CIE Lab	80.00, -3.39, 31.50
CIE LCh	80, 31.686, 96.148
Yxy	56.6813, 0.3701, 0.3992
Android (android.graphics.Color)	4292200075 (0xFFD5C68B)
YUV	195.7590, -27.9822, 15.1204
Hunter-Lab	75.2870, -7.1380, 26.9034

Details

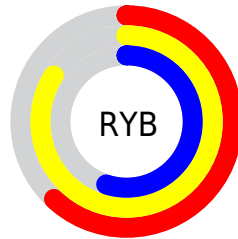
The CIELCh color **80, 31.686, 96.148** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **65, 33.022, 285.354**, and the grayscale version is **79, 0.010, 296.813**.

A 20% lighter version of the original color is **99, 31.221, 107.803**, and **60, 31.625, 96.051** is the 20% darker color. If you saturate the color by 10%, you get **79, 40.752, 94.918**, and if you desaturate by 10%, it is **82, 22.522, 97.365**.

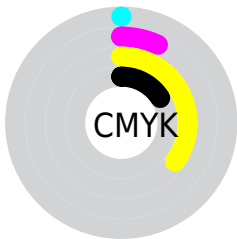
Distribution



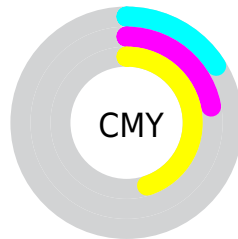
- Red (84%)
- Green (78%)
- Blue (55%)



- Red (62%)
- Yellow (84%)
- Blue (55%)



- Cyan (0%)
- Magenta (7%)
- Yellow (35%)
- Black (16%)



- Cyan (16%)
- Magenta (22%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 31.686, 96.148 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, 31.686, 96.148 by changing the saturation by 10% instead.

80, 31.686, 96.148

80, 31.686, 96.148

100, 31.686,
96.148

70, 31.686, 96.148

60, 31.686, 96.148

50, 31.686, 96.148

40, 31.686, 96.148

30, 31.686, 96.148

20, 31.686, 96.148

10, 31.686, 96.148

0, 31.686, 96.148

80, 31.686, 96.148

80, 31.686, 96.148

79, 40.752, 94.918

82, 22.522, 97.365

77, 49.545, 93.668

83, 13.353, 98.547

76, 57.773, 92.402

85, 4.235, 99.673

75, 64.970, 91.111

86, 4.805, 280.860

73, 70.481, 89.762

88, 13.753,
281.906

72, 73.634, 88.293

89, 16.251,
278.492

72, 74.567, 87.466

90, 14.432,
270.592

92, 12.956,
260.729

93, 11.944,
248.856

Harmonies

Complementary

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



80, 31.686, 96.148



65, 33.022, 285.354

Rectangle

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



80, 31.686, 96.148



80, 31.686, 146.148



80, 31.686, 276.148



80, 31.686, 326.148

Sweetspot

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



80, 31.687, 96.152



98, 10.483, 99.074



66, 30.495, 6.059



52, 7.157, 98.912



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, 31.687, 96.152



93, 44.283, 95.198



82, 39.264, 119.109



44, 5.163, 99.151



58, 63.254, 87.736



14, 20.338, 91.075

Inverse Universe

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



65, 33.022, 285.354



71, 46.773, 286.920



62, 42.226, 303.686



42, 5.221, 281.386



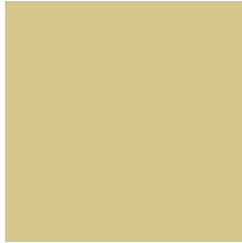
24, 86.005, 302.197



3, 23.752, 288.953

Previews

White Background



This preview shows how the CIELCh color 80, 31.686, 96.148 looks on a white background.

Color Contrast Check

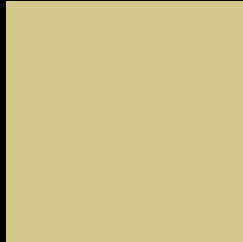
Large Text (above 18pt) WCAG AA × Fail

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, 31.686, 96.148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

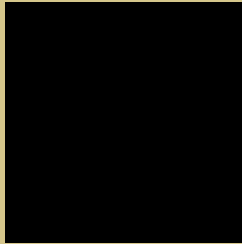
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 31.686, 96.148

Background



This preview shows how black text looks on a background with the CIELCh color 80, 31.686, 96.148.



This preview shows how white text looks on a background with the CIELCh color 80, 31.686, 96.148.

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, 31.686, 96.148

Protanopia

80, 31.774, 95.419

Deuteranopia

80, 32.580, 71.960



Tritanopia
80, 13.947, 345.718

Trichromacy



Original Color
80, 31.686, 96.148

Protanomaly
80, 31.774, 95.419

Deuteranomaly
80, 31.758, 80.494

Tritanomaly
80, 11.559, 53.283

Monochromacy



Original Color
80, 31.686, 96.148

Achromatopsia
79, 0.010, 296.813

Achromatomaly
79, 11.828, 99.768

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 31.686, 96.148 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(213, 198, 139)` looks like.

```
.text, #text, p{  
    color:rgb(213, 198, 139)  
}
```

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(213, 198, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 198, 139) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 31.686, 96.148 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(213, 198, 139) }
```

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

```
.border{ border-color:rgb(213, 198, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 198, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 198, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 198, 139);  
box-shadow:4px 4px 4px 4px rgb(213, 198,  
139) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 31.686, 96.148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 198, 139) }
```

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

```
.background{ background-color: rgb(213,  
198, 139) }
```

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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