

Converting Colors

CIELCh(80, 51.657, 96.407)

Have a look what the booklet for
CIELCh(80, 51.657, 96.407) contains.

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Color

CIELCh(80, 51.628, 96.435)

Conversions

Conversions Part 1

Format	Color
Hex	DAC764
RGB	218, 199, 100
RGB Percent	85%, 78%, 39%
CMY	0.1450, 0.2195, 0.6078
CMYK	0.00, 0.09, 0.54, 0.15
HSL	50°, 61%, 62%
HSV	50°, 54%, 85%
XYZ	51.6453, 56.6813, 20.2784
YIQ	193.3950, 43.1030, -26.7610

Conversions

Conversions Part 2

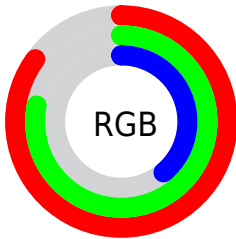
Format	Color
RYB	123, 218, 100
Decimal	14337892
CIELab	80.00, -5.79, 51.30
CIELCh	80, 51.628, 96.435
Yxy	56.6813, 0.4016, 0.4407
Android (android.graphics.Color)	4292527972 (0xFFDAC764)
YUV	193.3950, -46.0437, 21.5786
Hunter-Lab	75.2870, -9.3049, 36.7312

Details

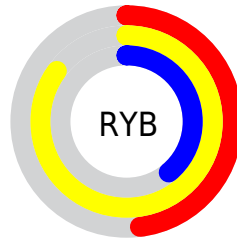
The CIELCh color **80, 51.628, 96.435** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **53, 57.131, 291.795**, and the grayscale version is **78, 0.009, 296.813**.

A 20% lighter version of the original color is **98, 50.696, 106.300**, and **60, 51.559, 96.002** is the 20% darker color. If you saturate the color by 10%, you get **79, 60.138, 95.271**, and if you desaturate by 10%, it is **81, 42.472, 97.612**.

Distribution



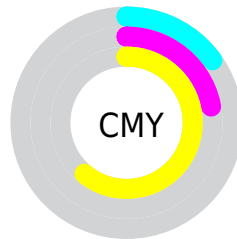
- Red (85%)
- Green (78%)
- Blue (39%)



- Red (48%)
- Yellow (85%)
- Blue (39%)



- Cyan (0%)
- Magenta (9%)
- Yellow (54%)
- Black (15%)



- Cyan (15%)
- Magenta (22%)
- Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 51.628, 96.435 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, 51.628, 96.435 by changing the saturation by 10% instead.

 80, 51.628, 96.435

 80, 51.628, 96.435

 100, 51.628,
96.435

 70, 51.628, 96.435

 60, 51.628, 96.435

 50, 51.628, 96.435

 40, 51.628, 96.435

 30, 51.628, 96.435

 20, 51.628, 96.435

 10, 51.628, 96.435

 0, 51.628, 96.435

 80, 51.628, 96.435

 80, 51.628, 96.435

79, 60.138, 95.271

81, 42.472, 97.612

78, 67.524, 94.114

82, 32.977, 98.784

77, 73.141, 92.956

84, 23.329, 99.944

76, 76.355, 91.762

85, 13.637,
101.080

75, 77.319, 91.038

86, 3.965, 102.166

88, 5.654, 283.304

89, 15.198,
284.322

90, 14.742,
279.431

91, 13.233,
272.577

Harmonies

Complementary

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



80, 51.628, 96.435



53, 57.131, 291.795

Rectangle

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



80, 51.628, 96.435



80, 51.628, 146.435



80, 51.628, 276.435



80, 51.628, 326.435

Sweetspot

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



80, 51.629, 96.438



97, 17.551, 100.853



57, 49.457, 13.752



52, 11.854, 100.619



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, 51.629, 96.438



91, 68.992, 95.103



82, 61.422, 120.201



45, 5.499, 101.600



61, 65.264, 91.244



15, 22.604, 94.093

Inverse Universe

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



53, 57.131, 291.795



54, 79.547, 294.768



51, 68.986, 306.933



43, 5.577, 283.761



23, 90.806, 303.493



3, 26.324, 291.180

Previews

White Background



This preview shows how the CIELCh color 80, 51.628, 96.435 looks on a white background.

Color Contrast Check

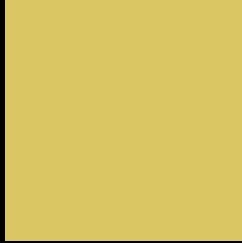
Large Text (above 18pt) WCAG AA × Fail

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, 51.628, 96.435 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, 51.628, 96.435

Background



This preview shows how black text looks on a background with the CIELCh color 80, 51.628, 96.435.



This preview shows how white text looks on a background with the CIELCh color 80, 51.628, 96.435.

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, 51.628, 96.435

Protanopia

80, 51.707, 95.965

Deuteranopia

80, 51.493, 78.379



Tritanopia
80, 16.618, 354.298

Trichromacy



Original Color
80, 51.628, 96.435

Protanomaly
80, 51.707, 95.965

Deuteranomaly
80, 50.999, 84.936

Tritanomaly
80, 19.278, 67.609

Monochromacy



Original Color
80, 51.628, 96.435

Achromatopsia
78, 0.009, 296.813

Achromatomaly
79, 19.308, 100.176

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 51.628, 96.435 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(218, 199, 100)` looks like.

```
.text, #text, p{  
    color:rgb(218, 199, 100)  
}
```

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(218, 199, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 199, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 51.628, 96.435 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(218, 199, 100) }
```

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

```
.border{ border-color:rgb(218, 199, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 199, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 199, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 199, 100);  
box-shadow:4px 4px 4px 4px rgb(218, 199,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 51.628, 96.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 199, 100) }
```

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

```
.background{ background-color: rgb(218,  
199, 100) }
```

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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