

Converting Colors

CIELCh(80, 12.188, 54.285)

Have a look what the booklet for
CIELCh(80, 12.188, 54.285) contains.

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Color

CIELCh(80, 12.202, 54.280)

Conversions

Conversions Part 1

Format	Color
Hex	DBC1B4
RGB	219, 193, 180
RGB Percent	86%, 76%, 71%
CMY	0.1400, 0.2420, 0.2930
CMYK	0.00, 0.12, 0.18, 0.14
HSL	20°, 35%, 78%
HSV	20°, 18%, 86%
XYZ	56.7045, 56.6813, 51.2848
YIQ	199.2920, 19.6690, 1.4690

Conversions

Conversions Part 2

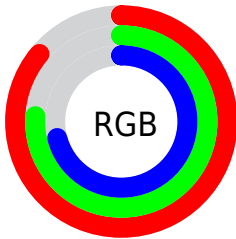
Format	Color
R_{YB}	219, 200, 180
Decimal	14401972
CIE Lab	80.00, 7.12, 9.91
CIE LCh	80, 12.202, 54.280
Yxy	56.6813, 0.3444, 0.3442
Android (android.graphics.Color)	4292592052 (0xFFDBC1B4)
YUV	199.2920, -9.5110, 17.2839
Hunter-Lab	75.2870, 2.6901, 12.3131

Details

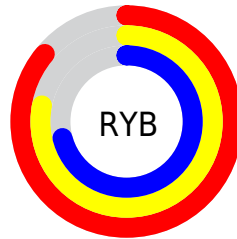
The CIELCh color **80, 12.202, 54.280** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **81, 11.110, 237.502**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **98, 6.933, 91.542**, and **60, 12.423, 52.943** is the 20% darker color. If you saturate the color by 10%, you get **76, 19.777, 53.604**, and if you desaturate by 10%, it is **84, 5.153, 54.993**.

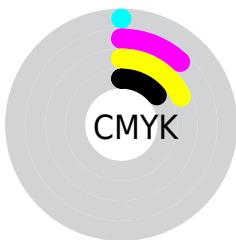
Distribution



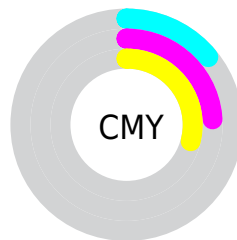
- Red (86%)
- Green (76%)
- Blue (71%)



- Red (86%)
- Yellow (78%)
- Blue (71%)



- Cyan (0%)
- Magenta (12%)
- Yellow (18%)
- Black (14%)



- Cyan (14%)
- Magenta (24%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 12.202, 54.280 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, 12.202, 54.280 by changing the saturation by 10% instead.

80, 12.202, 54.280

80, 12.202, 54.280

100, 12.202,
54.280

70, 12.202, 54.280

60, 12.202, 54.280

50, 12.202, 54.280

40, 12.202, 54.280

30, 12.202, 54.280

20, 12.202, 54.280

10, 12.202, 54.280

0, 12.202, 54.280

80, 12.202, 54.280

80, 12.202, 54.280

76, 19.777, 53.604

84, 5.153, 54.993

72, 27.918, 52.980

88, 1.420, 236.258

68, 36.642, 52.441

93, 7.567, 236.776

64, 45.918, 51.994

97, 11.022,
207.453

61, 55.615, 51.610

98, 12.030,
198.702

58, 65.398, 51.191

55, 74.513, 50.471

52, 81.710, 49.016

52, 83.192, 48.733

Harmonies

Complementary

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



80, 12.202, 54.280



81, 11.110, 237.502

Rectangle

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



80, 12.202, 54.280



80, 12.202, 104.280



80, 12.202, 234.280



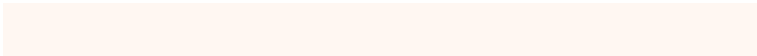
80, 12.202, 284.280

Sweetspot

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



80, 12.202, 54.293



98, 3.701, 55.152



77, 19.958, 336.939



52, 2.531, 55.116



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, 12.202, 54.293



90, 16.482, 54.054



85, 17.172, 100.340



44, 3.778, 54.884



41, 69.415, 49.300



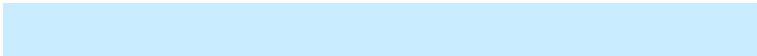
8, 19.305, 41.805

Inverse Universe

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



81, 11.110, 237.502



92, 14.712, 237.913



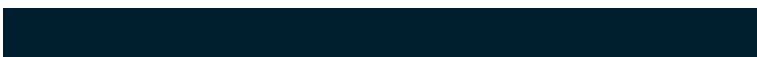
76, 17.591, 284.563



44, 3.606, 236.635



46, 38.704, 261.826



10, 14.190, 251.266

Previews

White Background



This preview shows how the CIELCh color 80, 12.202, 54.280 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, 12.202, 54.280 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

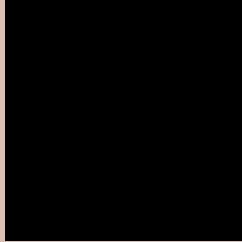
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 12.202, 54.280

Background



This preview shows how black text looks on a background with the CIELCh color 80, 12.202, 54.280.



This preview shows how white text looks on a background with the CIELCh color 80, 12.202, 54.280.

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, 12.202, 54.280

Protanopia

80, 8.502, 88.526

Deuteranopia

80, 13.847, 42.694



Tritanopia
80, 14.252, 346.614

Trichromacy



Original Color
80, 12.202, 54.280

Protanomaly
80, 9.378, 71.841

Deuteranomaly
80, 12.997, 46.719

Tritanomaly
80, 11.549, 7.066

Monochromacy



Original Color
80, 12.202, 54.280

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 4.258, 57.943

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 12.202, 54.280 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(219, 193, 180)` looks like.

```
.text, #text, p{  
    color:rgb(219, 193, 180)  
}
```

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(219, 193, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 193, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 12.202, 54.280 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(219, 193, 180) }
```

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

```
.border{ border-color:rgb(219, 193, 180) }
```

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

Here you see how a box with a 4 pixel rgb(219, 193, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 193, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 193, 180);  
box-shadow:4px 4px 4px 4px rgb(219, 193,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 12.202, 54.280 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 193, 180) }
```

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

```
.background{ background-color: rgb(219,  
193, 180) }
```

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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