

Converting Colors

CIELCh(80, 2.566, 90.313)

Have a look what the booklet for
CIELCh(80, 2.566, 90.313) contains.

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Color

CIELCh(80, 2.236, 90.652)

Conversions

Conversions Part 1

Format	Color
Hex	C8C6C2
RGB	200, 198, 194
RGB Percent	78%, 78%, 76%
CMY	0.2150, 0.2228, 0.2385
CMYK	0.00, 0.01, 0.03, 0.21
HSL	40°, 5%, 77%
HSV	40°, 3%, 79%
XYZ	53.8639, 56.6813, 59.2489
YIQ	198.1420, 2.4760, -0.8200

Conversions

Conversions Part 2

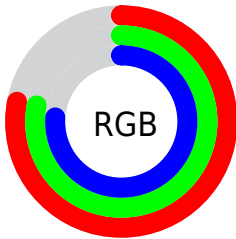
Format	Color
RYB	197, 200, 194
Decimal	13158082
CIELab	80.00, -0.03, 2.24
CIElCh	80, 2.236, 90.652
Yxy	56.6813, 0.3172, 0.3338
Android (android.graphics.Color)	4291348162 (0xFFC8C6C2)
YUV	198.1420, -2.0420, 1.6295
Hunter-Lab	75.2870, -4.0447, 6.0412

Details

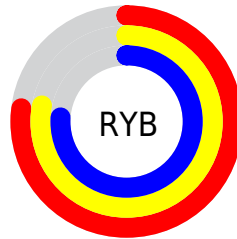
The CIELCh color $80, 2.236, 90.652$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $79, 2.253, 271.649$, and the grayscale version is $80, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 2.525, 109.959$, and $60, 2.374, 90.555$ is the 20% darker color. If you saturate the color by 10%, you get $78, 9.833, 89.534$, and if you desaturate by 10%, it is $82, 5.199, 272.056$.

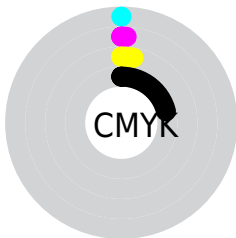
Distribution



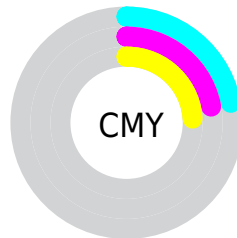
- Red (78%)
- Green (78%)
- Blue (76%)



- Red (77%)
- Yellow (78%)
- Blue (76%)



- Cyan (0%)
- Magenta (1%)
- Yellow (3%)
- Black (21%)



- Cyan (22%)
- Magenta (22%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 2.236, 90.652 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, 2.236, 90.652 by changing the saturation by 10% instead.

■ 80, 2.236, 90.652

■ 80, 2.236, 90.652

■ 100, 2.236, 90.652

■ 70, 2.236, 90.652

■ 60, 2.236, 90.652

■ 50, 2.236, 90.652

■ 40, 2.236, 90.652

■ 30, 2.236, 90.652

■ 20, 2.236, 90.652

■ 10, 2.236, 90.652

■ 0, 2.236, 90.652

■ 80, 2.236, 90.652

■ 80, 2.236, 90.652

78, 9.833, 89.534

82, 5.199, 272.056

76, 17.586, 88.253

85, 12.481,
273.180

74, 25.480, 86.924

87, 19.620,
274.273

71, 33.470, 85.555

69, 41.458, 84.141

89, 17.455,
263.901

68, 49.253, 82.668

90, 15.700,
250.272

66, 56.507, 81.092

64, 62.640, 79.325

92, 14.986,
234.487

62, 66.872, 77.209

94, 15.431,
218.545

96, 16.922,
204.560

96, 18.044,
198.311

Harmonies

Complementary

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



80, 2.236, 90.652



79, 2.253, 271.649

Rectangle

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



80, 2.236, 90.652



80, 2.236, 140.652



80, 2.236, 270.652



80, 2.236, 320.652

Sweetspot

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



80, 2.237, 90.700



100, 0.899, 90.729



79, 2.469, 353.775



53, 0.511, 90.718



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, 2.237, 90.700



99, 3.640, 90.598



80, 3.202, 116.493



42, 2.111, 90.531



50, 59.119, 75.990



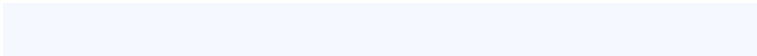
9, 13.974, 78.748

Inverse Universe

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



79, 2.253, 271.649



98, 3.657, 271.756



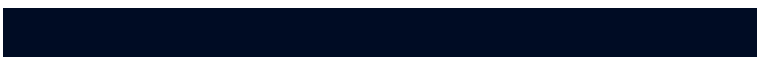
79, 3.241, 296.921



41, 2.119, 271.827



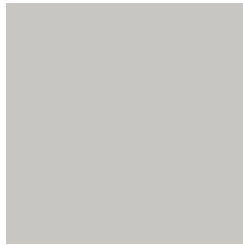
28, 69.429, 296.287



3, 16.663, 280.971

Previews

White Background



This preview shows how the CIELCh color 80, 2.236, 90.652 looks on a white background.

Color Contrast Check

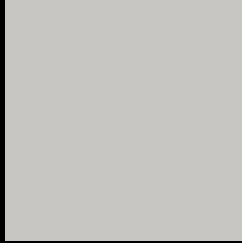
Large Text (above 18pt) WCAG AA × Fail

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, 2.236, 90.652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

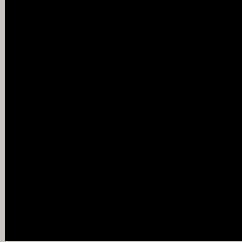
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

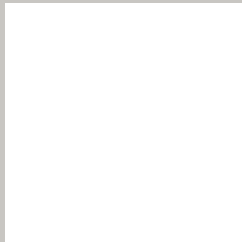
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 2.236, 90.652

Background



This preview shows how black text looks on a background with the CIELCh color 80, 2.236, 90.652.

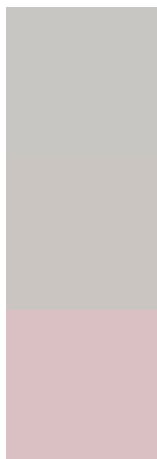


This preview shows how white text looks on a background with the CIELCh color 80, 2.236, 90.652.

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, 2.236, 90.652

Protanopia

80, 2.720, 55.167

Deuteranopia

80, 9.871, 10.895



Tritanopia
80, 8.418, 308.207

Trichromacy



Original Color
80, 2.236, 90.652

Protanomaly
80, 2.427, 60.288

Deuteranomaly
80, 6.736, 15.348

Tritanomaly
80, 4.659, 313.437

Monochromacy



Original Color
80, 2.236, 90.652

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 0.635, 74.723

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 2.236, 90.652 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(200, 198, 194)` looks like.

```
.text, #text, p{  
    color:rgb(200, 198, 194)  
}
```

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(200, 198, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 198, 194) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 2.236, 90.652 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(200, 198, 194) }
```

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

```
.border{ border-color:rgb(200, 198, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 198, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 198, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 198, 194);  
box-shadow:4px 4px 4px 4px rgb(200, 198,  
194) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 2.236, 90.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 198, 194) }
```

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

```
.background{ background-color: rgb(200,  
198, 194) }
```

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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