

Converting Colors

CIELCh(80, 12.344, 318.644)

Have a look what the booklet for
CIELCh(80, 12.344, 318.644)
contains.

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Color

CIELCh(80, 12.646, 318.065)

Conversions

Conversions Part 1

Format	Color
Hex	D1C1D6
RGB	209, 193, 214
RGB Percent	82%, 76%, 84%
CMY	0.1796, 0.2423, 0.1600
CMYK	0.02, 0.10, 0.00, 0.16
HSL	286°, 20%, 80%
HSV	286°, 10%, 84%
XYZ	57.6324, 56.6813, 71.6607
YIQ	200.1780, 2.7950, 9.9230

Conversions

Conversions Part 2

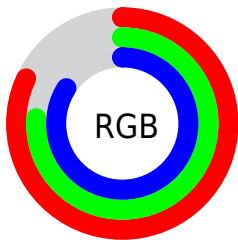
Format	Color
R _Y B	209, 193, 214
Decimal	13746646
CIE Lab	80.00, 9.41, -8.45
CIE LCh	80, 12.646, 318.065
Yxy	56.6813, 0.3099, 0.3048
Android (android.graphics.Color)	4291936726 (0xFFD1C1D6)
YUV	200.1780, 6.8142, 7.7369
Hunter-Lab	75.2870, 4.8901, -3.7334

Details

The CIELCh color `80, 12.646, 318.065` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `84, 12.560, 137.237`, and the grayscale version is `81, 0.010, 296.813`.

A 20% lighter version of the original color is `99, 3.736, 324.489`, and `60, 12.889, 319.342` is the 20% darker color. If you saturate the color by 10%, you get `74, 25.755, 318.512`, and if you desaturate by 10%, it is `86, 0.240, 138.520`.

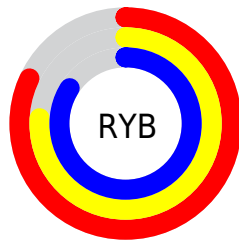
Distribution



Red (82%)

Green (76%)

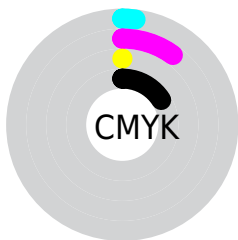
Blue (84%)



Red (82%)

Yellow (76%)

Blue (84%)

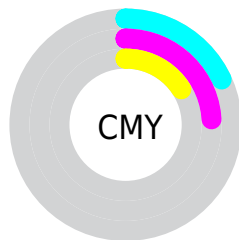


Cyan (2%)

Magenta (10%)

Yellow (0%)

Black (16%)



Cyan (18%)


Magenta (24%)


Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 12.646, 318.065 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, 12.646, 318.065 by changing the saturation by 10% instead.


 80, 12.646,
318.065


 80, 12.646,
318.065


 100, 12.646,
318.065


 70, 12.646,
318.065


 60, 12.646,
318.065

 50, 12.646,
318.065

 40, 12.646,
318.065

 30, 12.646,
318.065

 20, 12.646,
318.065

 10, 12.646,

318.065

■ 0, 12.646, 318.065

■ 80, 12.646,
318.065

■ 80, 12.646,
318.065

■ 74, 25.755,
318.512

■ 86, 0.240, 138.520

■ 69, 38.964,
318.952

■ 92, 12.822,
137.261

■ 63, 52.061,
319.370

■ 97, 23.567,
136.481

■ 58, 64.728,
319.736

■ 97, 22.733,
132.533

■ 54, 76.517,
320.016

■ 98, 22.014,
128.253

■ 98, 21.428,

■ 50, 86.854,
320.161

123.661

■ 46, 95.101,
320.118

■ 98, 20.990,
118.796

■ 44, 100.726,
319.837

■ 99, 20.715,
113.716

■ 42, 103.847,
319.322

■ 99, 20.614,
108.617

Harmonies

Complementary

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



80, 12.646, 318.065



84, 12.560, 137.237

Rectangle

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



80, 12.646, 318.065



80, 12.646, 8.065



80, 12.646, 138.065



80, 12.646, 188.065

Sweetspot

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



80, 12.644, 318.064



98, 4.432, 317.735



80, 8.558, 278.473



52, 3.361, 317.781



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, 12.644, 318.064



92, 17.865, 318.168



80, 11.389, 332.947



42, 7.316, 318.047



33, 87.732, 319.437



5, 31.191, 319.216

Inverse Universe

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



80, 8.250, 1.263



92, 11.697, 1.516



84, 11.343, 151.705



42, 4.771, 1.221



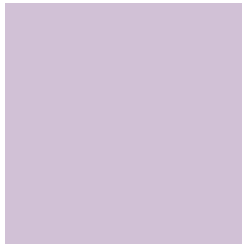
36, 67.020, 26.100



5, 22.120, 9.191

Previews

White Background



This preview shows how the CIELCh color 80, 12.646, 318.065 looks on a white background.

Color Contrast Check

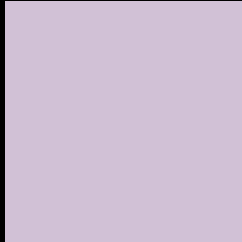
Large Text (above 18pt) WCAG AA × Fail

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, 12.646, 318.065 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

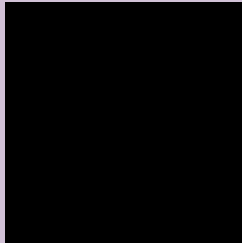
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 80, 12.646, 318.065

Background



This preview shows how black text looks on a background with the CIELCh color 80, 12.646, 318.065.



This preview shows how white text looks on a background with the CIELCh color 80, 12.646, 318.065.

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, 12.646, 318.065

Protanopia

80, 10.664, 291.132

Deuteranopia

80, 12.813, 319.514



Tritanopia
80, 9.515, 322.977

Trichromacy



Original Color
80, 12.646, 318.065

Protanomaly
80, 10.841, 300.508

Deuteranomaly
80, 12.813, 319.514

Tritanomaly
80, 10.426, 319.850

Monochromacy



Original Color
80, 12.646, 318.065

Achromatopsia
81, 0.010, 296.813

Achromatomaly
80, 4.171, 316.281

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 12.646, 318.065 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(209, 193, 214)` looks like.

```
.text, #text, p{  
    color:rgb(209, 193, 214)  
}
```

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(209, 193, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 193, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 12.646, 318.065 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(209, 193, 214) }
```

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

```
.border{ border-color:rgb(209, 193, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(209, 193, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 193, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 193, 214);  
box-shadow:4px 4px 4px 4px rgb(209, 193,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 12.646, 318.065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 193, 214) }
```

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

```
.background{ background-color: rgb(209,  
193, 214) }
```

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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