

Converting Colors

CIELCh(80, 3.127, 83.943)

Have a look what the booklet for
CIELCh(80, 3.127, 83.943) contains.

CIELCh(80, 3.024, 80.525)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(80, 3.024, 80.525)

Conversions

Conversions Part 1

Format	Color
Hex	CAC6C1
RGB	202, 198, 193
RGB Percent	79%, 78%, 76%
CMY	0.2085, 0.2242, 0.2438
CMYK	0.00, 0.02, 0.04, 0.21
HSL	33°, 8%, 77%
HSV	33°, 4%, 79%
XYZ	54.0685, 56.6813, 58.4395
YIQ	198.6260, 3.9890, -0.7070

Conversions

Conversions Part 2

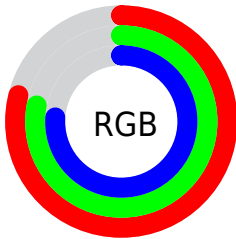
Format	Color
R_{YB}	200, 202, 193
Decimal	13289153
CIE _{Lab}	80.00, 0.50, 2.98
CIE _{LCh}	80, 3.024, 80.525
Yxy	56.6813, 0.3196, 0.3350
Android (android.graphics.Color)	4291479233 (0xFFCAC6C1)
YUV	198.6260, -2.7736, 2.9590
Hunter-Lab	75.2870, -3.5596, 6.6786

Details

The CIELCh color **80, 3.024, 80.525** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 3.018, 261.903**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 3.032, 109.926**, and **60, 2.734, 74.676** is the 20% darker color. If you saturate the color by 10%, you get **77, 10.007, 79.369**, and if you desaturate by 10%, it is **83, 3.712, 261.994**.

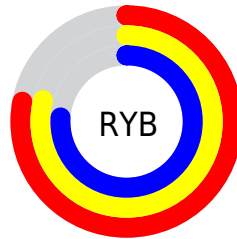
Distribution



Red (79%)

Green (78%)

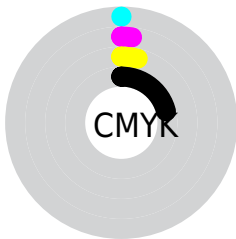
Blue (76%)



Red (78%)

Yellow (79%)

Blue (76%)

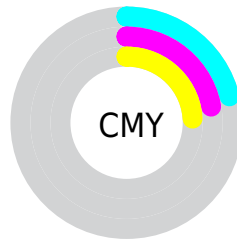


Cyan (0%)

Magenta (2%)

Yellow (4%)

Black (21%)



Cyan (21%)

Magenta (22%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 3.024, 80.525 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, 3.024, 80.525 by changing the saturation by 10% instead.

■ 80, 3.024, 80.525

■ 80, 3.024, 80.525

■ 100, 3.024, 80.525

■ 70, 3.024, 80.525

■ 60, 3.024, 80.525

■ 50, 3.024, 80.525

■ 40, 3.024, 80.525

■ 30, 3.024, 80.525

■ 20, 3.024, 80.525

■ 10, 3.024, 80.525

■ 0, 3.024, 80.525

■ 80, 3.024, 80.525

■ 80, 3.024, 80.525

77, 10.007, 79.369

83, 3.712, 261.994

74, 17.252, 78.078

86, 10.224,
263.128

72, 24.764, 76.750

89, 16.533,
264.260

69, 32.524, 75.392

67, 40.469, 73.997

91, 14.992,
246.700

64, 48.443, 72.538

93, 14.702,
224.493

62, 56.128, 70.944

60, 62.932, 69.070

96, 16.457,
204.546

57, 67.969, 66.651

97, 17.543,
198.343

Harmonies

Complementary

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



80, 3.024, 80.525



79, 3.018, 261.903

Rectangle

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



80, 3.024, 80.525



80, 3.024, 130.525



80, 3.024, 260.525



80, 3.024, 310.525

Sweetspot

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



80, 3.025, 80.565



100, 0.808, 80.621



79, 3.979, 346.708



53, 0.459, 80.602



0, 0.000, 0.000



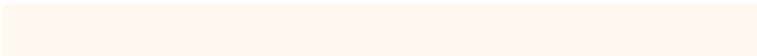
53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



80, 3.025, 80.565



98, 4.107, 80.502



81, 4.764, 111.747



42, 2.335, 80.439



47, 60.498, 65.712



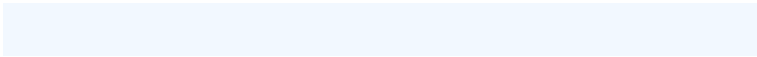
9, 14.465, 65.103

Inverse Universe

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



79, 3.018, 261.903



97, 4.091, 261.971



78, 4.827, 292.557



42, 2.323, 262.038



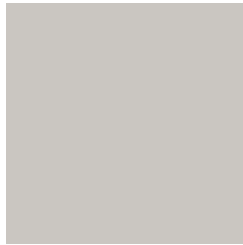
33, 57.868, 288.720



5, 16.202, 275.656

Previews

White Background



This preview shows how the CIELCh color 80, 3.024, 80.525 looks on a white background.

Color Contrast Check

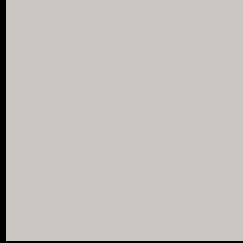
Large Text (above 18pt) WCAG AA × Fail

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, 3.024, 80.525 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

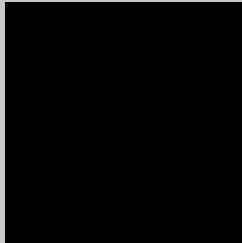
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

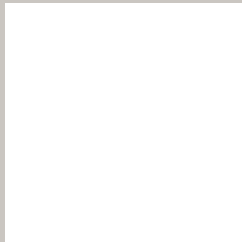
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 3.024, 80.525

Background



This preview shows how black text looks on a background with the CIELCh color 80, 3.024, 80.525.

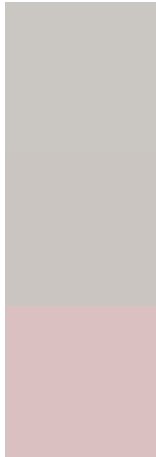


This preview shows how white text looks on a background with the CIELCh color 80, 3.024, 80.525.

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, 3.024, 80.525

Protanopia

80, 3.061, 63.252

Deuteranopia

80, 10.197, 14.221



Tritanopia
80, 9.168, 311.526

Trichromacy



Original Color
80, 3.024, 80.525

Protanomaly
80, 3.061, 63.252

Deuteranomaly
80, 7.104, 19.889

Tritanomaly
80, 4.998, 321.143

Monochromacy



Original Color
80, 3.024, 80.525

Achromatopsia
80, 0.010, 296.813

Achromatomaly
80, 1.113, 90.726

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 3.024, 80.525 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(202, 198, 193)` looks like.

```
.text, #text, p{  
    color:rgb(202, 198, 193)  
}
```

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(202, 198, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 198, 193) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 3.024, 80.525 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(202, 198, 193) }
```

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

```
.border{ border-color:rgb(202, 198, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 198, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 198, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 198, 193);  
box-shadow:4px 4px 4px 4px rgb(202, 198,  
193) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 3.024, 80.525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 198, 193) }
```

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

```
.background{ background-color: rgb(202,  
198, 193) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor