

Converting Colors

CIELCh(80, 1.532, 93.333)

Have a look what the booklet for
CIELCh(80, 1.532, 93.333) contains.

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Color

CIELCh(80, 1.624, 96.885)

Conversions

Conversions Part 1	
Format	Color
Hex	C7C6C3
RGB	199, 198, 195
RGB Percent	78%, 78%, 76%
CMY	0.2183, 0.2222, 0.2340
CMYK	0.00, 0.00, 0.02, 0.22
HSL	45°, 3%, 77%
HSV	45°, 2%, 78%
XYZ	53.7979, 56.6813, 59.9303
YIQ	197.9570, 1.5590, -0.7210

Conversions

Conversions Part 2

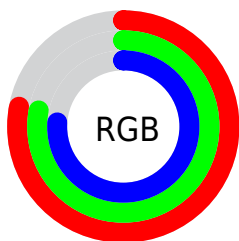
Format	Color
RYB	196, 199, 195
Decimal	13092547
CIELab	80.00, -0.19, 1.61
CIELCh	80, 1.624, 96.885
Yxy	56.6813, 0.3157, 0.3326
Android (android.graphics.Color)	4291282627 (0xFFC7C6C3)
YUV	197.9570, -1.4578, 0.9147
Hunter-Lab	75.2870, -4.2014, 5.5046

Details

The CIELCh color **80, 1.624, 96.885** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **79, 1.645, 277.636**, and the grayscale version is **80, 0.010, 296.813**.

A 20% lighter version of the original color is **100, 1.510, 110.014**, and **60, 1.725, 96.835** is the 20% darker color. If you saturate the color by 10%, you get **78, 9.833, 95.860**, and if you desaturate by 10%, it is **82, 6.476, 278.223**.

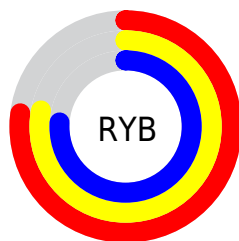
Distribution



Red (78%)

Green (78%)

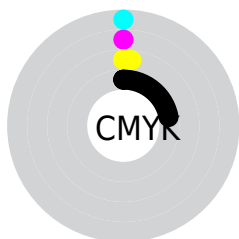
Blue (76%)



Red (77%)

Yellow (78%)

Blue (76%)

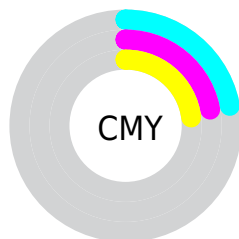


Cyan (0%)

Magenta (0%)

Yellow (2%)

Black (22%)



Cyan (22%)

Magenta (22%)

Yellow (23%)

















Brightness & Saturation Gradients

These gradients show how the CIELCh color 80, 1.624, 96.885 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, 1.624, 96.885 by changing the saturation by 10% instead.



80, 1.624, 96.885 80, 1.624, 96.885

 78, 9.833, 95.860	 82, 6.476, 278.223
 77, 18.131, 94.648	 84, 14.468, 279.295
 75, 26.488, 93.396	 86, 22.285, 280.285
 73, 34.839, 92.111	
 72, 43.062, 90.796	 87, 20.058, 273.886
 70, 50.940, 89.448	 88, 18.135, 266.078
 69, 58.107, 88.047	
 67, 63.995, 86.549	 89, 16.615, 256.712
 66, 67.900, 84.869	 91, 15.607, 245.889
	 92, 15.204, 234.123
	 93, 15.442, 222.299

Harmonies

Complementary

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



80, 1.624, 96.885



79, 1.645, 277.636

Rectangle

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



80, 1.624, 96.885



80, 1.624, 146.885



80, 1.624, 276.885



80, 1.624, 326.885

Sweetspot

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



80, 1.625, 96.945



100, 0.983, 96.947



79, 1.574, 359.388



53, 0.559, 96.940



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, 1.625, 96.945



100, 1.979, 96.944



80, 2.152, 119.801



42, 0.917, 96.952



54, 60.097, 83.704



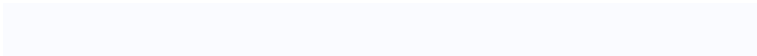
10, 15.171, 87.843

Inverse Universe

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



79, 1.645, 277.636



99, 2.003, 277.637



79, 2.179, 300.019



42, 0.928, 277.628



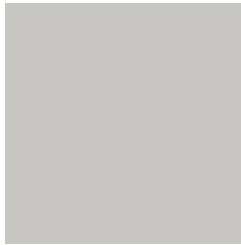
24, 78.370, 300.356



3, 17.844, 284.297

Previews

White Background



This preview shows how the CIELCh color 80, 1.624, 96.885 looks on a white background.

Color Contrast Check

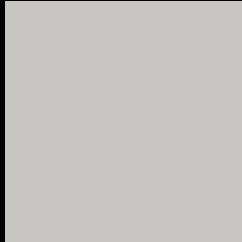
Large Text (above 18pt) WCAG AA × Fail

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, 1.624, 96.885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

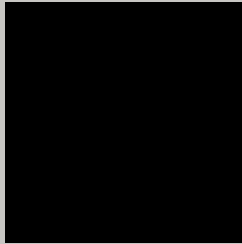
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

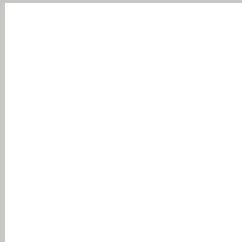
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 80, 1.624, 96.885

Background



This preview shows how black text looks on a background with the CIELCh color 80, 1.624, 96.885.

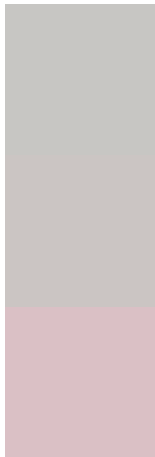


This preview shows how white text looks on a background with the CIELCh color 80, 1.624, 96.885.

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, 1.624, 96.885

Protanopia

80, 2.449, 45.028


Deuteranopia

80, 10.065, 4.921

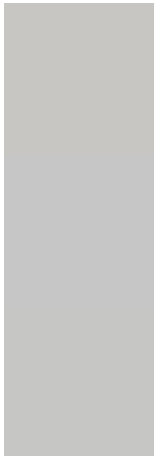


Tritanopia
80, 8.315, 305.845

Trichromacy

	Original Color 80, 1.624, 96.885
	Protanomaly 80, 2.119, 49.341
	Deuteranomaly 80, 6.417, 10.320
	Tritanomaly 80, 4.527, 309.212

Monochromacy

	Original Color 80, 1.624, 96.885
	Achromatopsia 80, 0.010, 296.813
	Achromatomaly 80, 0.522, 110.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 1.624, 96.885 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(199, 198, 195)` looks like.

```
.text, #text, p{  
    color:rgb(199, 198, 195)  
}
```


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(199, 198, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 198, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 1.624, 96.885 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(199, 198, 195) }
```


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

```
.border{ border-color:rgb(199, 198, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 198, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 198, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 198, 195);  
box-shadow:4px 4px 4px 4px rgb(199, 198,  
195) }
```


Background

The CSS property to change the background color of an element to CIELCh 80, 1.624, 96.885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 198, 195) }
```

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

```
.background{ background-color: rgb(199,  
198, 195) }
```

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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