

Converting Colors

CIELCh(76, 1.304, 112.946)

Have a look what the booklet for
CIELCh(76, 1.304, 112.946) contains.

CIELCh(76, 1.649, 122.999)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(76, 1.649, 122.999)

Conversions

Conversions Part 1

Format	Color
Hex	BBBCB9
RGB	187, 188, 185
RGB Percent	73%, 74%, 73%
CMY	0.2676, 0.2637, 0.2755
CMYK	0.01, 0.00, 0.02, 0.26
HSL	80°, 2%, 73%
HSV	80°, 2%, 74%
XYZ	47.0949, 49.8872, 52.9103
YIQ	187.3590, 0.3670, -1.1450

Conversions

Conversions Part 2

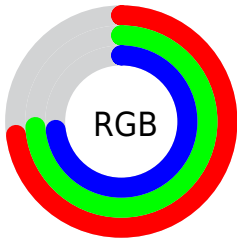
Format	Color
RYB	185, 188, 186
Decimal	12303545
CIELab	76.00, -0.90, 1.38
CIELCh	76, 1.649, 122.999
Yxy	49.8872, 0.3142, 0.3328
Android (android.graphics.Color)	4290493625 (0xFFBBBCB9)
YUV	187.3590, -1.1630, -0.3148
Hunter-Lab	70.6309, -4.5848, 5.0269

Details

The CIELCh color `76, 1.649, 122.999` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `75, 1.674, 303.126`, and the grayscale version is `76, 0.009, 296.813`.

A 20% lighter version of the original color is `96, 1.568, 123.027`, and `56, 1.756, 122.960` is the 20% darker color. If you saturate the color by 10%, you get `75, 12.037, 122.459`, and if you desaturate by 10%, it is `77, 8.719, 303.498`.

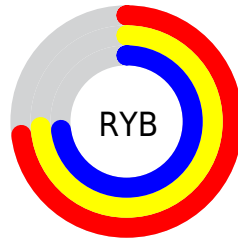
Distribution



Red (73%)

Green (74%)

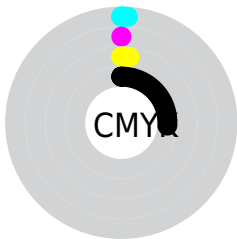
Blue (73%)



Red (73%)

Yellow (74%)

Blue (73%)

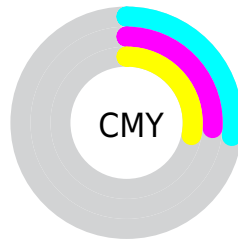


Cyan (1%)

Magenta (0%)

Yellow (2%)

Black (26%)



Cyan (27%)

Magenta (26%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 1.649, 122.999 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 76, 1.649, 122.999 by changing the saturation by 10% instead.

■ 76, 1.649, 122.999

■ 76, 1.649, 122.999

■ 100, 1.649,
122.999

■ 66, 1.649, 122.999

■ 96, 1.649, 122.999

■ 56, 1.649, 122.999

■ 46, 1.649, 122.999

■ 36, 1.649, 122.999

■ 26, 1.649, 122.999

■ 16, 1.649, 122.999

■ 6, 1.649, 122.999

■ 0, 1.649, 122.999

■ 76, 1.649, 122.999

■ 76, 1.649, 122.999

75, 12.037,
122.459

77, 8.719, 303.498

74, 22.381,
121.903

78, 19.033,
303.982

73, 32.602,
121.347

79, 29.261,
304.430

73, 42.580,
120.817

80, 36.879,
305.563

72, 52.138,
120.352

81, 37.351,
308.723

71, 61.016,
120.013

81, 37.927,
311.838

71, 68.849,
119.885

82, 38.607,
314.888

70, 75.187,
120.077

82, 39.386,
317.861

70, 79.623,

83, 40.262,
320.743

120.698

Harmonies

Complementary

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



76, 1.649, 122.999



75, 1.674, 303.126

Rectangle

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



76, 1.649, 122.999



76, 1.649, 172.999



76, 1.649, 302.999



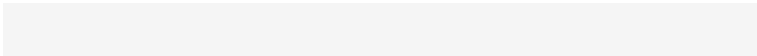
76, 1.649, 352.999

Sweetspot

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



76, 1.651, 123.027



96, 0.011, 296.813



76, 0.909, 55.062



51, 0.007, 296.813



98, 0.011, 296.813

Same Dimension

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



76, 1.651, 123.027



96, 2.565, 122.997



76, 1.864, 139.838



40, 1.176, 123.008



59, 72.180, 121.304



10, 18.167, 126.684

Inverse Universe

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



75, 1.674, 303.126



95, 2.596, 303.157



75, 1.882, 319.761



39, 1.191, 303.146



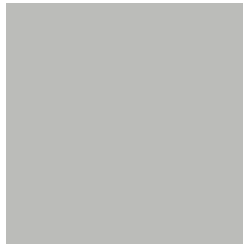
21, 90.168, 308.913



1, 17.715, 299.860

Previews

White Background



This preview shows how the CIELCh color 76, 1.649, 122.999 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 76, 1.649, 122.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

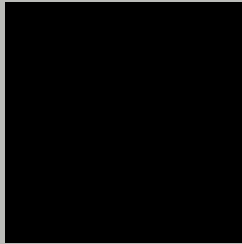
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

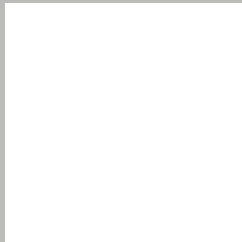
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 1.649, 122.999

Background



This preview shows how black text looks on a background with the CIELCh color 76, 1.649, 122.999.



This preview shows how white text looks on a background with the CIELCh color 76, 1.649, 122.999.

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


76, 1.649, 122.999

Protanopia

76, 2.143, 49.343

Deuteranopia

76, 9.810, 4.356



Tritanopia
76, 8.240, 301.003

Trichromacy



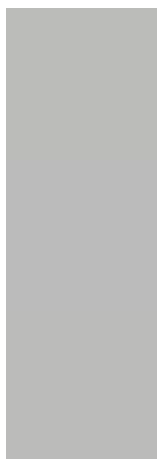
Original Color
76, 1.649, 122.999

Protanomaly
76, 1.761, 84.934

Deuteranomaly
76, 6.224, 4.863

Tritanomaly
76, 4.388, 300.159

Monochromacy



Original Color
76, 1.649, 122.999

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 0.529, 110.012

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 1.649, 122.999 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(187, 188, 185)` looks like.

```
.text, #text, p{  
    color:rgb(187, 188, 185)  
}
```

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(187, 188, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 188, 185) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 1.649, 122.999 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(187, 188, 185) }
```

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

```
.border{ border-color:rgb(187, 188, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 188, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 188, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 188, 185);  
box-shadow:4px 4px 4px 4px rgb(187, 188,  
185) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 1.649, 122.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 188, 185) }
```

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

```
.background{ background-color: rgb(187,  
188, 185) }
```

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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