

Converting Colors

CIE LCh(76, 1.236, 273.103)

Have a look what the booklet for
CIELCh(76, 1.236, 273.103) contains.

CIELCh(76, 1.658, 277.583)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(76, 1.658, 277.583)

Conversions

Conversions Part 1

Format	Color
Hex	BABBBE
RGB	186, 187, 190
RGB Percent	73%, 73%, 75%
CMY	0.2693, 0.2654, 0.2536
CMYK	0.02, 0.02, 0.00, 0.25
HSL	225°, 3%, 74%
HSV	225°, 2%, 75%
XYZ	47.4949, 49.8872, 56.0247
YIQ	187.0430, -1.5590, 0.7210

Conversions

Conversions Part 2

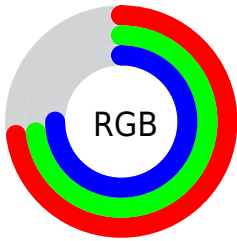
Format	Color
R _Y B	186, 187, 190
Decimal	12237758
CIE Lab	76.00, 0.22, -1.64
CIE LCh	76, 1.658, 277.583
Yxy	49.8872, 0.3096, 0.3252
Android (android.graphics.Color)	4290427838 (0xFFBABBBE)
YUV	187.0430, 1.4578, -0.9147
Hunter-Lab	70.6309, -3.5740, 2.4126

Details

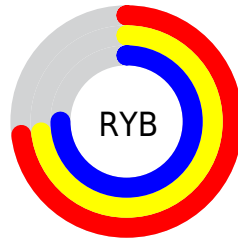
The CIELCh color $76, 1.658, 277.583$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $77, 1.637, 96.826$, and the grayscale version is $76, 0.009, 296.813$.

A 20% lighter version of the original color is $96, 1.581, 277.560$, and $56, 1.760, 277.643$ is the 20% darker color. If you saturate the color by 10%, you get $71, 9.611, 278.717$, and if you desaturate by 10%, it is $81, 6.109, 96.291$.

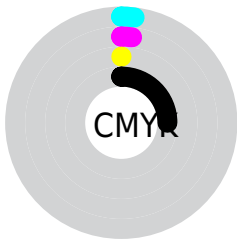
Distribution



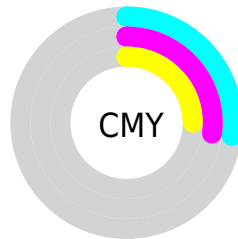
- Red (73%)
- Green (73%)
- Blue (75%)



- Red (73%)
- Yellow (73%)
- Blue (75%)



- Cyan (2%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)



- Cyan (27%)
- Magenta (27%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 1.658, 277.583 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, 1.658, 277.583 by changing the saturation by 10% instead.

■ 76, 1.658, 277.583

■ 76, 1.658, 277.583

100, 1.658,
277.583

■ 66, 1.658, 277.583

■ 96, 1.658, 277.583

■ 56, 1.658, 277.583

■ 46, 1.658, 277.583

■ 36, 1.658, 277.583

■ 26, 1.658, 277.583

■ 16, 1.658, 277.583

■ 6, 1.658, 277.583

■ 0, 1.658, 277.583

■ 76, 1.658, 277.583

■ 76, 1.658, 277.583

71, 9.611, 278.717

81, 6.109, 96.291

66, 17.766,
280.196

86, 13.694, 95.353

60, 26.136,
281.928

91, 21.103, 94.524

55, 34.742,
283.951

96, 27.758, 99.570

99, 32.550,
107.700

50, 43.612,
286.295

45, 52.771,
288.973

40, 62.219,
291.954

36, 71.865,
295.137

32, 81.433,
298.335

Harmonies

Complementary

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



76, 1.658, 277.583



77, 1.637, 96.826

Rectangle

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



76, 1.658, 277.583



76, 1.658, 327.583



76, 1.658, 97.583



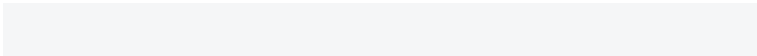
76, 1.658, 147.583

Sweetspot

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



76, 1.657, 277.531



97, 0.979, 277.518



77, 1.582, 178.420



52, 0.562, 277.524



99, 0.012, 296.813



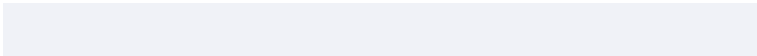
52, 0.007, 296.813

Same Dimension

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



76, 1.657, 277.531



95, 2.924, 277.610



76, 2.194, 299.395



39, 1.773, 277.679



24, 76.204, 300.207



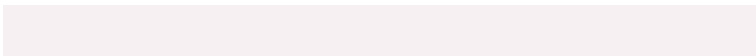
2, 14.384, 282.332

Inverse Universe

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



76, 1.589, 359.351



95, 2.809, 359.531



77, 2.167, 119.153



39, 1.706, 359.634



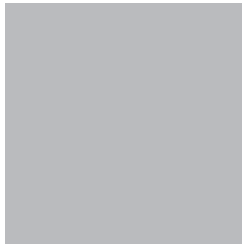
33, 62.663, 24.661



3, 12.677, 5.275

Previews

White Background



This preview shows how the CIELCh color 76, 1.658, 277.583 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, 1.658, 277.583 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

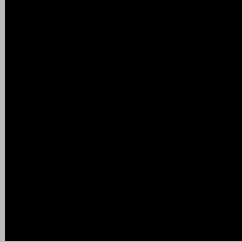
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

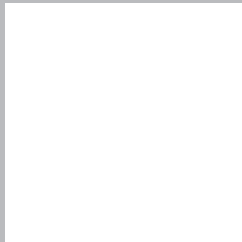
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 1.658, 277.583

Background



This preview shows how black text looks on a background with the CIELCh color 76, 1.658, 277.583.

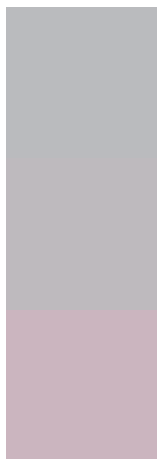


This preview shows how white text looks on a background with the CIELCh color 76, 1.658, 277.583.

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, 1.658, 277.583

Protanopia

76, 2.632, 324.462

Deuteranopia

76, 9.829, 347.080



Tritanopia
76, 7.592, 296.324

Trichromacy



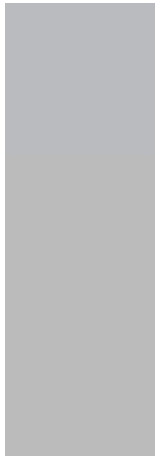
Original Color
76, 1.658, 277.583

Protanomaly
76, 2.441, 317.306

Deuteranomaly
76, 6.776, 340.484

Tritanomaly
76, 5.411, 294.533

Monochromacy



Original Color
76, 1.658, 277.583

Achromatopsia
76, 0.009, 296.813

Achromatomaly
76, 0.547, 290.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 1.658, 277.583 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(186, 187, 190)` looks like.

```
.text, #text, p{  
    color:rgb(186, 187, 190)  
}
```

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(186, 187, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 187, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 1.658, 277.583 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(186, 187, 190) }
```

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

```
.border{ border-color:rgb(186, 187, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 187, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 187, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 187, 190);  
box-shadow:4px 4px 4px 4px rgb(186, 187,  
190) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 1.658, 277.583 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 187, 190) }
```

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

```
.background{ background-color: rgb(186,  
187, 190) }
```

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