

Converting Colors

CIELCh(75, 0.839, 165.135)

Have a look what the booklet for
CIELCh(75, 0.839, 165.135) contains.

CIELCh(75, 0.916, 163.982)	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(75, 0.916, 163.982)

Conversions

Conversions Part 1

Format	Color
Hex	B7B9B8
RGB	183, 185, 184
RGB Percent	72%, 73%, 72%
CMY	0.2820, 0.2741, 0.2781
CMYK	0.01, 0.00, 0.01, 0.27
HSL	150°, 1%, 72%
HSV	150°, 1%, 73%
XYZ	45.5786, 48.2781, 52.3130
YIQ	184.2880, -0.8710, -0.7350

Conversions

Conversions Part 2

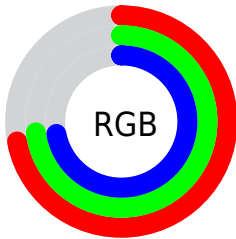
Format	Color
RYB	183, 184, 185
Decimal	12040632
CIELab	75.00, -0.88, 0.25
CIELCh	75, 0.916, 163.982
Yxy	48.2781, 0.3118, 0.3303
Android (android.graphics.Color)	4290230712 (0xFFB7B9B8)
YUV	184.2880, -0.1420, -1.1296
Hunter-Lab	69.4824, -4.5032, 3.9986

Details

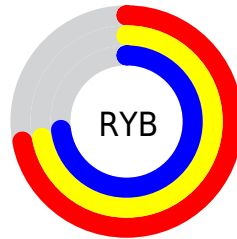
The CIELCh color $75, 0.916, 163.982$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $75, 0.932, 343.287$, and the grayscale version is $75, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 0.870, 164.119$, and $55, 0.977, 163.838$ is the 20% darker color. If you saturate the color by 10%, you get $73, 9.474, 162.726$, and if you desaturate by 10%, it is $77, 7.586, 344.234$.

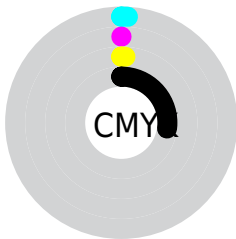
Distribution



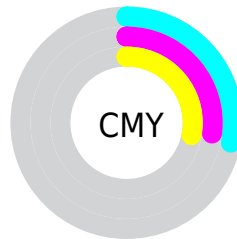
- Red (72%)
- Green (73%)
- Blue (72%)



- Red (72%)
- Yellow (72%)
- Blue (73%)



- Cyan (1%)
- Magenta (0%)
- Yellow (1%)
- Black (27%)



- Cyan (28%)
- Magenta (27%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 0.916, 163.982 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 75, 0.916, 163.982 by changing the saturation by 10% instead.

■ 75, 0.916, 163.982

■ 75, 0.916, 163.982

■ 100, 0.916,
163.982

■ 65, 0.916, 163.982

■ 95, 0.916, 163.982

■ 55, 0.916, 163.982

■ 45, 0.916, 163.982

■ 35, 0.916, 163.982

■ 25, 0.916, 163.982

■ 15, 0.916, 163.982

■ 5, 0.916, 163.982

■ 0, 0.916, 163.982

■ 75, 0.916, 163.982

■ 75, 0.916, 163.982

73, 9.474, 162.726

77, 7.586, 344.234

72, 17.994,
161.780

79, 15.971,
344.958

71, 26.367,
160.737

81, 24.187,
345.611

70, 34.463,
159.569

83, 31.586,
345.292

69, 42.140,
158.249

83, 34.436,
338.558

68, 49.256,
156.754

83, 37.721,
333.001

67, 55.689,
155.062

83, 41.331,
328.449

67, 61.356,
153.161

84, 43.811,
325.942

66, 66.235,
151.057

Harmonies

Complementary

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



75, 0.916, 163.982



75, 0.932, 343.287

Rectangle

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



75, 0.916, 163.982



75, 0.916, 213.982



75, 0.916, 343.982



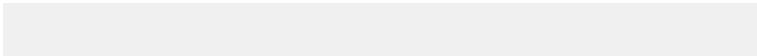
75, 0.916, 33.982

Sweetspot

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



75, 0.918, 163.940



95, 0.011, 296.813



75, 1.133, 128.531



50, 0.007, 296.813



97, 0.011, 296.813

Same Dimension

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



75, 0.918, 163.940



94, 1.046, 163.972



75, 0.740, 198.655



39, 0.477, 164.019



56, 61.190, 149.437



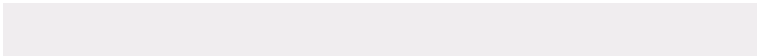
8, 14.447, 157.591

Inverse Universe

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



75, 0.932, 343.287



94, 1.062, 343.255



75, 0.747, 17.394



39, 0.485, 343.210



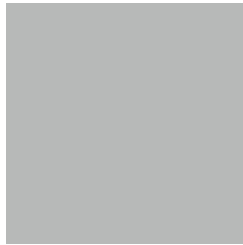
33, 58.657, 1.309



3, 12.213, 350.746

Previews

White Background



This preview shows how the CIELCh color 75, 0.916, 163.982 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 75, 0.916, 163.982 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

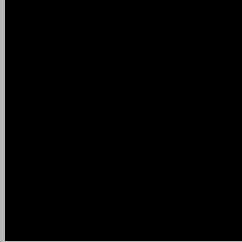
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

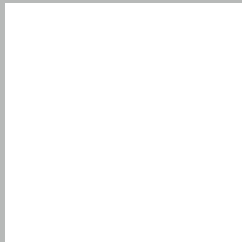
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 0.916, 163.982

Background



This preview shows how black text looks on a background with the CIELCh color 75, 0.916, 163.982.

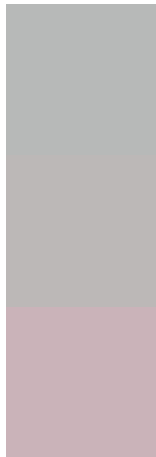


This preview shows how white text looks on a background with the CIELCh color 75, 0.916, 163.982.

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


75, 0.916, 163.982

Protanopia

75, 1.580, 39.095

Deuteranopia

75, 9.257, 359.774



Tritanopia
75, 7.615, 296.332

Trichromacy



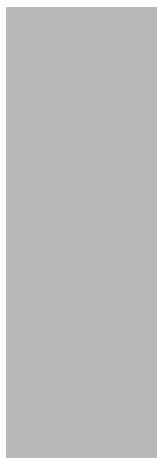
Original Color
75, 0.916, 163.982

Protanomaly
75, 0.910, 55.065

Deuteranomaly
75, 5.685, 357.545

Tritanomaly
75, 4.325, 290.599

Monochromacy



Original Color
75, 0.916, 163.982

Achromatopsia
75, 0.009, 296.813

Achromatomaly
75, 0.009, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 0.916, 163.982 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(183, 185, 184)` looks like.

```
.text, #text, p{  
    color:rgb(183, 185, 184)  
}
```

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(183, 185, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 185, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 0.916, 163.982 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(183, 185, 184) }
```

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

```
.border{ border-color:rgb(183, 185, 184) }
```

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

Here you see how a box with a 4 pixel rgb(183, 185, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 185, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 185, 184);  
box-shadow:4px 4px 4px 4px rgb(183, 185,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 0.916, 163.982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 185, 184) }
```

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

```
.background{ background-color: rgb(183,  
185, 184) }
```

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