

Converting Colors

CIELCh(84, 0.604, 37.964)

Have a look what the booklet for
CIELCh(84, 0.604, 37.964) contains.

| | |
|------------------------------------------------|----|
| CIELCh(84, 0.727, 18.675) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 19 |
| <i>Color Blindness Simulation</i> | 22 |
| <i>CSS Examples</i> | 25 |

Color

CIELCh(84, 0.727, 18.675)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | D3D1D1 |
| RGB | 211, 209, 209 |
| RGB Percent | 83%, 82%, 82% |
| CMY | 0.1725, 0.1803, 0.1803 |
| CMYK | 0.00, 0.01, 0.01, 0.17 |
| HSL | 0°, 2%, 82% |
| HSV | 0°, 1%, 83% |
| XYZ | 61.1849, 64.0658, 69.4746 |
| YIQ | 209.5980, 1.1920, 0.4240 |

Conversions

Conversions Part 2

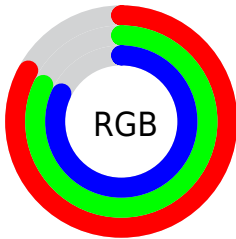
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 211, 209, 209 |
| Decimal | 13881809 |
| CIE Lab | 84.00, 0.69, 0.23 |
| CIE LCh | 84, 0.727, 18.675 |
| Yxy | 64.0658, 0.3142, 0.3290 |
| Android (android.graphics.Color) | 4292071889 (0xFFD3D1D1) |
| YUV | 209.5980, -0.2948, 1.2296 |
| Hunter-Lab | 80.0411, -3.6231, 4.5659 |

Details

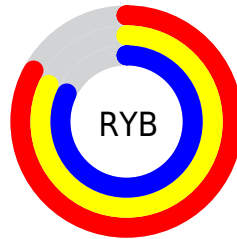
The CIELCh color $84, 0.727, 18.675$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $84, 0.719, 200.303$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $100, 0.012, 296.813$, and $64, 0.769, 18.882$ is the 20% darker color. If you saturate the color by 10%, you get $78, 8.706, 20.193$, and if you desaturate by 10%, it is $90, 6.652, 199.197$.

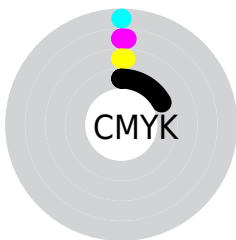
Distribution



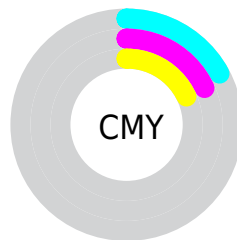
- Red (83%)
- Green (82%)
- Blue (82%)



- Red (83%)
- Yellow (82%)
- Blue (82%)



- Cyan (0%)
- Magenta (1%)
- Yellow (1%)
- Black (17%)

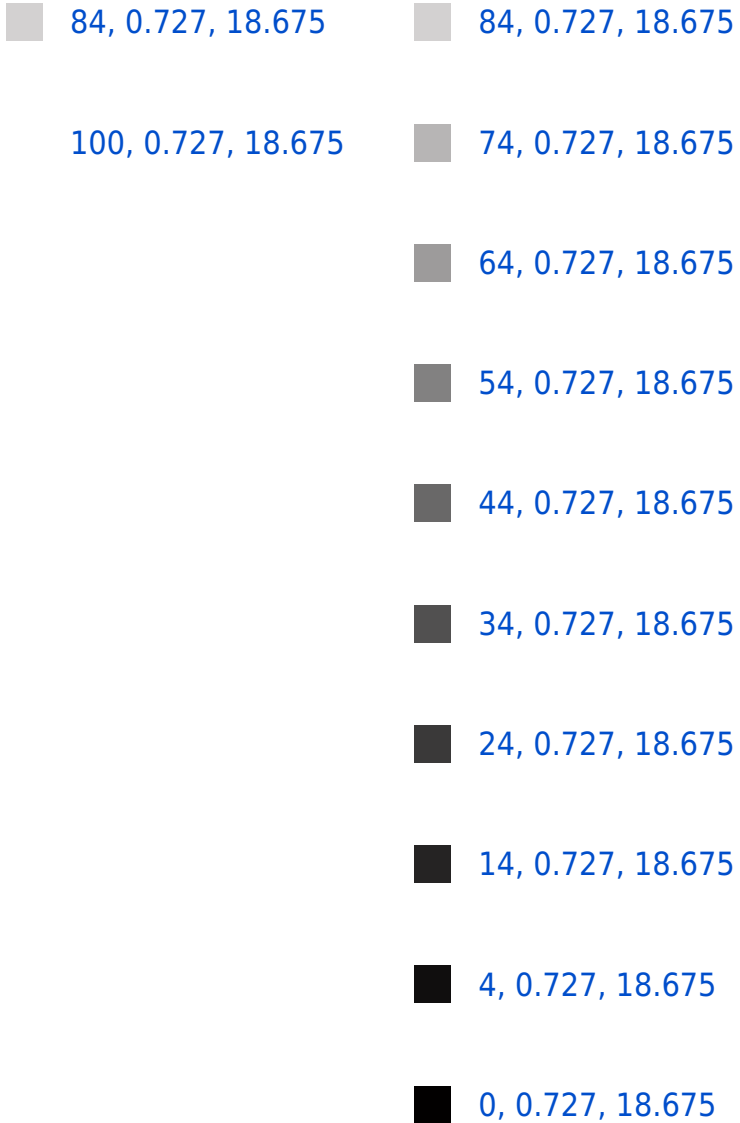


- Cyan (17%)
- Magenta (18%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 84, 0.727, 18.675 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 84, 0.727, 18.675 by changing the saturation by 10% instead.



84, 0.727, 18.675

84, 0.727, 18.675

78, 8.706, 20.193

90, 6.652, 199.197

72, 17.327, 21.059

96, 13.481,
198.754

67, 26.591, 22.154

97, 14.677,
198.528

62, 36.443, 23.580

57, 46.745, 25.442

53, 57.259, 27.849

49, 67.642, 30.859

46, 77.393, 34.349

45, 85.546, 37.735

Harmonies

Complementary

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



84, 0.727, 18.675



84, 0.719, 200.303

Rectangle

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



84, 0.727, 18.675



84, 0.727, 68.675



84, 0.727, 198.675



84, 0.727, 248.675

Sweetspot

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



84, 0.726, 18.823

100, 0.012, 296.813



84, 1.294, 324.287



53, 0.007, 296.813



0, 0.000, 0.000

Same Dimension

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



84, 0.726, 18.823



99, 0.893, 18.876



84, 0.628, 74.696



44, 0.431, 18.816



35, 76.430, 39.886



4, 19.996, 19.553

Inverse Universe

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



84, 0.719, 200.303



100, 0.885, 200.249



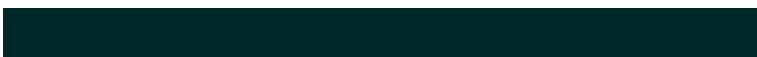
84, 0.641, 256.129



44, 0.427, 200.309



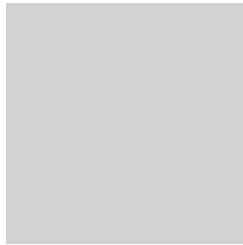
62, 36.618, 196.661



14, 14.009, 196.608

Previews

White Background



This preview shows how the CIELCh color 84, 0.727, 18.675 looks on a white background.

Color Contrast Check

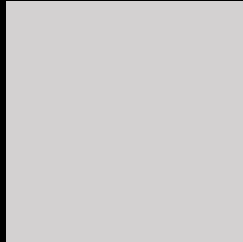
Large Text (above 18pt) WCAG AA × Fail

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 84, 0.727, 18.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

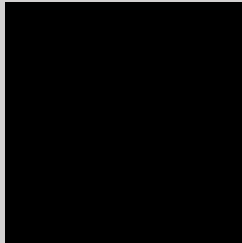
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

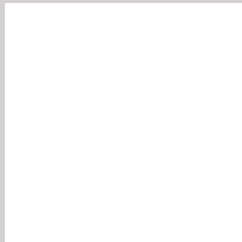
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 84, 0.727, 18.675

Background



This preview shows how black text looks on a background with the CIELCh color 84, 0.727, 18.675.

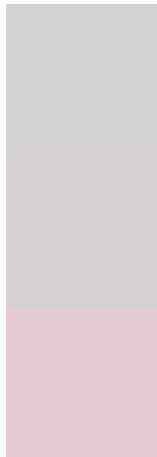


This preview shows how white text looks on a background with the CIELCh color 84, 0.727, 18.675.

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


84, 0.727, 18.675

Protanopia

84, 1.902, 3.180

Deuteranopia

84, 10.259, 359.179



Tritanopia
84, 8.742, 304.951

Trichromacy



Original Color

84, 0.727, 18.675

Protanomaly

84, 1.556, 359.359

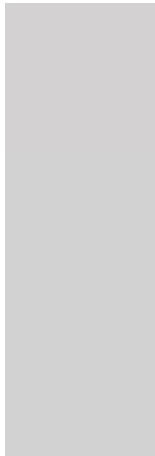
Deuteranomaly

84, 6.773, 357.016

Tritanomaly

84, 5.490, 305.711

Monochromacy



Original Color

84, 0.727, 18.675

Achromatopsia

84, 0.010, 296.813

Achromatomaly

84, 0.010, 296.813

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 84, 0.727, 18.675 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(211, 209, 209)` looks like.

```
.text, #text, p{  
    color:rgb(211, 209, 209)  
}
```

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(211, 209, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 209, 209) }
```

Border

The CSS property to change the border of an element to CIELCh 84, 0.727, 18.675 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(211, 209, 209) }
```

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

```
.border{ border-color:rgb(211, 209, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 209, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 209, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 209, 209);  
box-shadow:4px 4px 4px 4px rgb(211, 209,  
209) }
```

Background

The CSS property to change the background color of an element to CIELCh 84, 0.727, 18.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 209, 209) }
```

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

```
.background{ background-color: rgb(211,  
209, 209) }
```

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