

Converting Colors

CIELCh(76, 13.581, 256.652)

Have a look what the booklet for
CIELCh(76, 13.581, 256.652)
contains.

CIELCh(76, 13.383, 257.068)	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, 13.383, 257.068)

Conversions

Conversions Part 1

Format	Color
Hex	A8BED3
RGB	168, 190, 211
RGB Percent	66%, 75%, 83%
CMY	0.3410, 0.2547, 0.1723
CMYK	0.20, 0.10, 0.00, 0.17
HSL	209°, 33%, 74%
HSV	209°, 20%, 83%
XYZ	46.3501, 49.8872, 68.8509
YIQ	185.8160, -19.8530, 1.8670

Conversions

Conversions Part 2

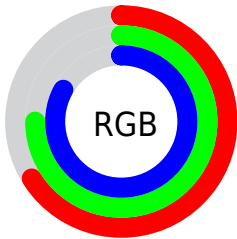
Format	Color
R _Y B	168, 183, 211
Decimal	11058899
CIE Lab	76.00, -3.00, -13.04
CIE LCh	76, 13.383, 257.068
Yxy	49.8872, 0.2808, 0.3022
Android (android.graphics.Color)	4289248979 (0xFFA8BED3)
YUV	185.8160, 12.4157, -15.6246
Hunter-Lab	70.6309, -6.4672, -8.3542

Details

The CIELCh color `76, 13.383, 257.068` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `78, 14.178, 71.648`, and the grayscale version is `75, 0.009, 296.813`.

A 20% lighter version of the original color is `96, 8.669, 231.333`, and `56, 13.151, 255.123` is the 20% darker color. If you saturate the color by 10%, you get `72, 19.797, 258.893`, and if you desaturate by 10%, it is `80, 6.859, 255.545`.

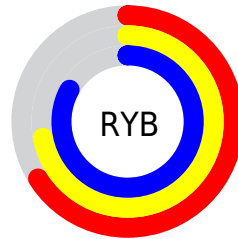
Distribution



Red (66%)

Green (75%)

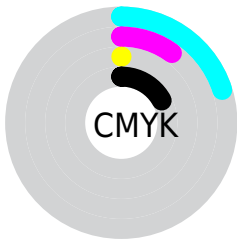
Blue (83%)



Red (66%)

Yellow (72%)

Blue (83%)

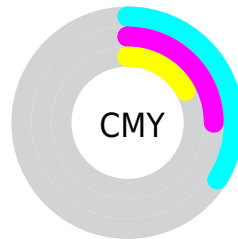


Cyan (20%)

Magenta (10%)

Yellow (0%)

Black (17%)



Cyan (34%)

Magenta (25%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 13.383, 257.068 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, 13.383, 257.068 by changing the saturation by 10% instead.

■ 76, 13.383,
257.068

■ 76, 13.383,
257.068

■ 100, 13.383,
257.068

■ 66, 13.383,
257.068

■ 96, 13.383,
257.068

■ 56, 13.383,
257.068

■ 46, 13.383,
257.068

■ 36, 13.383,
257.068

■ 26, 13.383,
257.068

■ 16, 13.383,
257.068

■ 6, 13.383, 257.068

■ 0, 13.383, 257.068

■ 76, 13.383,
257.068

■ 76, 13.383,
257.068

■ 72, 19.797,
258.893

■ 80, 6.859, 255.545

■ 68, 26.077,
261.085

■ 84, 0.256, 255.722

■ 64, 32.208,
263.699

■ 89, 6.399, 73.020

■ 60, 38.194,
266.790

■ 93, 13.080, 72.108

■ 56, 44.072,
270.388

■ 96, 16.368, 91.140

■ 53, 49.916,
274.473

■ 98, 20.710,
105.399

■ 99, 22.198,
108.496

■ 49, 55.828,
278.945

■ 46, 61.702,
283.339

Harmonies

Complementary

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



76, 13.383, 257.068



78, 14.178, 71.648

Rectangle

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



76, 13.383, 257.068



76, 13.383, 307.068



76, 13.383, 77.068



76, 13.383, 127.068

Sweetspot

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



76, 13.382, 257.062



97, 4.638, 254.997



81, 19.587, 161.006



51, 3.075, 255.075



0, 0.000, 0.000



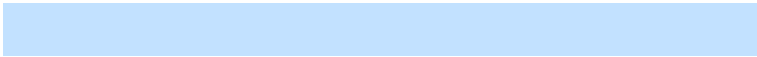
53, 0.007, 296.813

Same Dimension

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



76, 13.382, 257.062



88, 18.326, 257.735



70, 23.158, 291.841



42, 3.725, 255.415



37, 51.330, 282.554



6, 15.953, 270.935

Inverse Universe

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



73, 19.989, 344.785



85, 27.529, 345.174



83, 22.127, 107.514



41, 5.464, 343.759



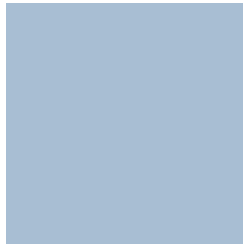
36, 62.253, 0.579



5, 21.932, 353.187

Previews

White Background



This preview shows how the CIELCh color 76, 13.383, 257.068 looks on a white background.

Color Contrast Check

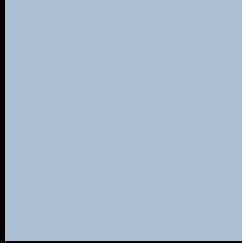
Large Text (above 18pt) WCAG AA × Fail

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 76, 13.383, 257.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

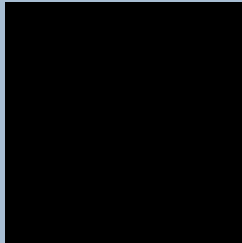
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

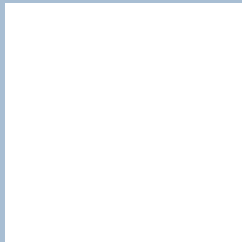
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 76, 13.383, 257.068

Background



This preview shows how black text looks on a background with the CIELCh color 76, 13.383, 257.068.



This preview shows how white text looks on a background with the CIELCh color 76, 13.383, 257.068.

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, 13.383, 257.068

Protanopia

76, 11.864, 287.887

Deuteranopia

76, 17.236, 304.656



Tritanopia
76, 11.396, 244.291

Trichromacy



Original Color
76, 13.383, 257.068

Protanomaly
76, 12.189, 276.398

Deuteranomaly
76, 14.558, 290.162

Tritanomaly
76, 12.130, 248.198

Monochromacy



Original Color
76, 13.383, 257.068

Achromatopsia
76, 0.009, 296.813

Achromatomaly
75, 5.140, 256.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 13.383, 257.068 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(168, 190, 211)` looks like.

```
.text, #text, p{  
    color:rgb(168, 190, 211)  
}
```

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(168, 190, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 190, 211) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 13.383, 257.068 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(168, 190, 211) }
```

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

```
.border{ border-color:rgb(168, 190, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 190, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 190, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 190, 211);  
box-shadow:4px 4px 4px 4px rgb(168, 190,  
211) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 13.383, 257.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 190, 211) }
```

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

```
.background{ background-color: rgb(168,  
190, 211) }
```

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