

Converting Colors

CIELCh(75, 17.641, 234.575)

Have a look what the booklet for
CIELCh(75, 17.641, 234.575)
contains.

CIELCh(75, 17.458, 234.753)	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(75, 17.458, 234.753)

Conversions

Conversions Part 1

Format	Color
Hex	93BFD2
RGB	147, 191, 210
RGB Percent	58%, 75%, 82%
CMY	0.4224, 0.2499, 0.1754
CMYK	0.30, 0.09, 0.00, 0.18
HSL	198°, 41%, 70%
HSV	198°, 30%, 82%
XYZ	42.4410, 48.2781, 68.2388
YIQ	180.0100, -32.3230, -3.4190

Conversions

Conversions Part 2

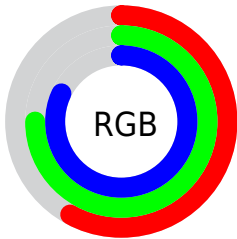
Format	Color
RYB	147, 173, 210
Decimal	9682898
CIELab	75.00, -10.08, -14.26
CIELCh	75, 17.458, 234.753
Yxy	48.2781, 0.2670, 0.3037
Android (android.graphics.Color)	4287872978 (0xFF93BFD2)
YUV	180.0100, 14.7851, -28.9498
Hunter-Lab	69.4824, -12.5636, -9.5911

Details

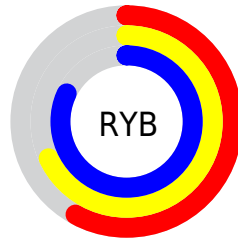
The CIELCh color **75, 17.458, 234.753** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **72, 20.901, 49.950**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 15.277, 214.252**, and **55, 17.613, 234.501** is the 20% darker color. If you saturate the color by 10%, you get **72, 22.548, 236.306**, and if you desaturate by 10%, it is **78, 11.951, 233.529**.

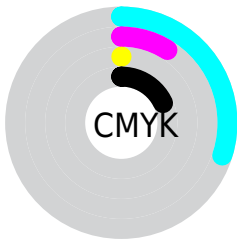
Distribution



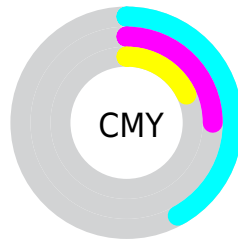
- Red (58%)
- Green (75%)
- Blue (82%)



- Red (58%)
- Yellow (68%)
- Blue (82%)



- Cyan (30%)
- Magenta (9%)
- Yellow (0%)
- Black (18%)





- Cyan (42%)
- Magenta (25%)
- Yellow (18%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 17.458, 234.753 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, 17.458, 234.753 by changing the saturation by 10% instead.


 75, 17.458,
234.753


 75, 17.458,
234.753


 100, 17.458,
234.753


 65, 17.458,
234.753


 95, 17.458,
234.753

 55, 17.458,
234.753

 45, 17.458,
234.753

 35, 17.458,
234.753

 25, 17.458,
234.753

 15, 17.458,
234.753

 5, 17.458, 234.753

0, 17.458, 234.753

75, 17.458,
234.753

75, 17.458,
234.753

72, 22.548,
236.306

78, 11.951,
233.529

69, 27.154,
238.277

81, 6.102, 232.599

67, 31.220,
240.750

84, 0.021, 25.936

88, 6.351, 51.066

64, 34.727,
243.816

91, 12.839, 50.635

62, 37.706,
247.547

93, 13.755, 65.051

94, 14.899, 80.101

60, 40.261,
251.964

96, 16.901, 92.220

■ 58, 42.616,
256.878

■ 97, 19.486,
101.378

■ 58, 42.625,
256.896

Harmonies

Complementary

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



75, 17.458, 234.753



72, 20.901, 49.950

Rectangle

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



75, 17.458, 234.753



75, 17.458, 284.753



75, 17.458, 54.753



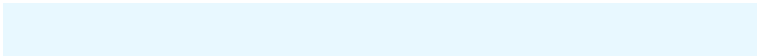
75, 17.458, 104.753

Sweetspot

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



75, 17.458, 234.749



97, 6.458, 232.534



79, 32.972, 151.863



51, 4.474, 232.647



0, 0.000, 0.000



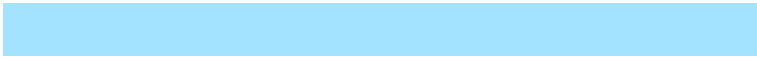
53, 0.007, 296.813

Same Dimension

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



75, 17.458, 234.749



87, 24.040, 235.708



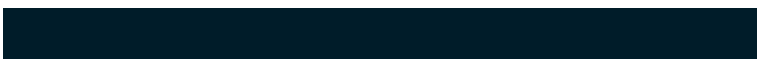
67, 28.067, 284.637



42, 3.464, 232.556



47, 35.845, 256.028



9, 12.698, 244.490

Inverse Universe

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



68, 33.290, 336.520



78, 46.639, 337.049



80, 27.105, 96.904



41, 6.228, 334.959



37, 67.642, 344.850



5, 24.672, 341.025

Previews

White Background



This preview shows how the CIELCh color 75, 17.458, 234.753 looks on a white background.

Color Contrast Check

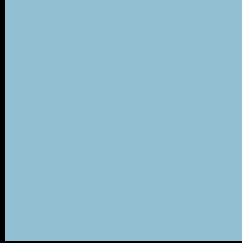
Large Text (above 18pt) WCAG AA × Fail

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 75, 17.458, 234.753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

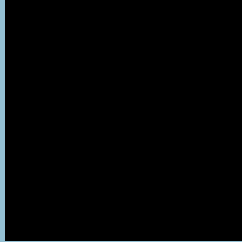
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 17.458, 234.753

Background



This preview shows how black text looks on a background with the CIELCh color 75, 17.458, 234.753.



This preview shows how white text looks on a background with the CIELCh color 75, 17.458, 234.753.

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

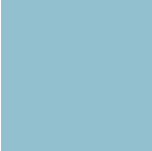
75, 17.458, 234.753

Protanopia

75, 11.899, 287.906

Deuteranopia

75, 18.124, 300.686



Tritanopia
75, 16.755, 227.516

Trichromacy



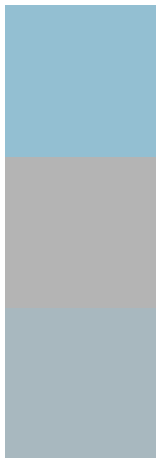
Original Color
75, 17.458, 234.753

Protanomaly
75, 12.620, 263.554

Deuteranomaly
75, 15.497, 277.526

Tritanomaly
75, 16.969, 229.239

Monochromacy



Original Color
75, 17.458, 234.753

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 6.791, 233.117

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 17.458, 234.753 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(147, 191, 210)` looks like.

```
.text, #text, p{  
    color:rgb(147, 191, 210)  
}
```

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(147, 191, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 191, 210) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 17.458, 234.753 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(147, 191, 210) }
```

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

```
.border{ border-color:rgb(147, 191, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 191, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 191, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 191, 210);  
box-shadow:4px 4px 4px 4px rgb(147, 191,  
210) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 17.458, 234.753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 191, 210) }
```

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

```
.background{ background-color: rgb(147,  
191, 210) }
```

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