

Converting Colors

CIELCh(75, 12.020, 220.275)

Have a look what the booklet for
CIELCh(75, 12.020, 220.275)
contains.

CIELCh(75, 11.785, 220.257)	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, 11.785, 220.257)

Conversions

Conversions Part 1

Format	Color
Hex	9EBEC6
RGB	158, 190, 198
RGB Percent	62%, 75%, 78%
CMY	0.3797, 0.2542, 0.2228
CMYK	0.20, 0.04, 0.00, 0.22
HSL	192°, 26%, 70%
HSV	192°, 20%, 78%
XYZ	42.8023, 48.2781, 60.5989
YIQ	181.3440, -21.6400, -4.2960

Conversions

Conversions Part 2

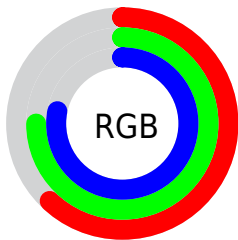
Format	Color
R_{YB}	158, 176, 198
Decimal	10403526
CIE Lab	75.00, -8.99, -7.62
CIE LCh	75, 11.785, 220.257
Yxy	48.2781, 0.2822, 0.3183
Android (android.graphics.Color)	4288593606 (0xFF9EBEC6)
YUV	181.3440, 8.2114, -20.4727
Hunter-Lab	69.4824, -11.6355, -3.0719

Details

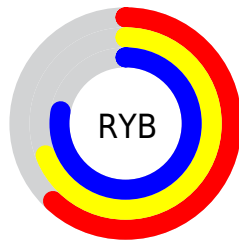
The CIELCh color $75, 11.785, 220.257$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $71, 13.456, 39.158$, and the grayscale version is $74, 0.009, 296.813$.

A 20% lighter version of the original color is $95, 11.844, 221.882$, and $55, 11.754, 218.540$ is the 20% darker color. If you saturate the color by 10%, you get $73, 17.038, 220.865$, and if you desaturate by 10%, it is $77, 6.116, 219.852$.

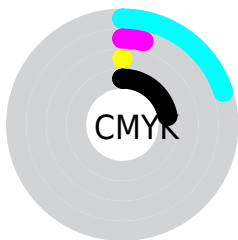
Distribution



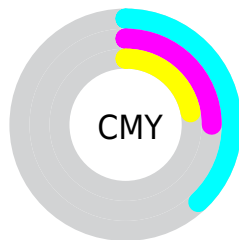
- Red (62%)
- Green (75%)
- Blue (78%)



- Red (62%)
- Yellow (69%)
- Blue (78%)



- Cyan (20%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)





- Cyan (38%)
- Magenta (25%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 11.785, 220.257 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, 11.785, 220.257 by changing the saturation by 10% instead.


 75, 11.785,
220.257


 75, 11.785,
220.257


 100, 11.785,
220.257


 65, 11.785,
220.257


 95, 11.785,
220.257

 55, 11.785,
220.257

 45, 11.785,
220.257

 35, 11.785,
220.257

 25, 11.785,
220.257

 15, 11.785,
220.257

 5, 11.785, 220.257

0, 11.785, 220.257

75, 11.785,
220.257

75, 11.785,
220.257

73, 17.038,
220.865

77, 6.116, 219.852

71, 21.784,
221.729

80, 0.116, 224.120

82, 6.140, 39.208

69, 25.932,
222.899

85, 12.586, 39.166

67, 29.404,
224.445

88, 18.326, 40.001

89, 17.772, 47.621

65, 32.148,
226.449

90, 17.555, 55.571

63, 34.159,
228.993

91, 17.688, 63.546

■ 62, 35.495,
232.148

■ 92, 18.160, 71.235

■ 61, 36.358,
235.763

Harmonies

Complementary

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



75, 11.785, 220.257



71, 13.456, 39.158

Rectangle

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



75, 11.785, 220.257



75, 11.785, 270.257



75, 11.785, 40.257



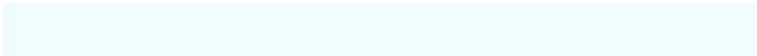
75, 11.785, 90.257

Sweetspot

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



75, 11.785, 220.249



98, 4.466, 219.774



76, 23.111, 148.563



52, 2.958, 219.780



0, 0.000, 0.000



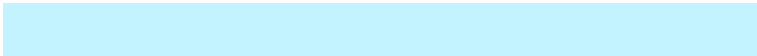
53, 0.007, 296.813

Same Dimension

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



75, 11.785, 220.249



93, 16.966, 220.479



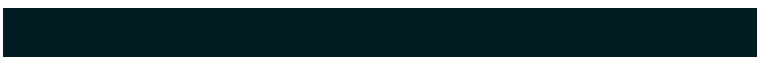
70, 15.487, 275.278



41, 3.422, 219.831



50, 31.435, 235.151



9, 11.166, 226.248

Inverse Universe

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



70, 22.924, 331.786



85, 33.466, 332.063



76, 15.493, 89.903



39, 6.425, 331.078



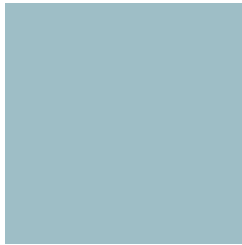
37, 70.969, 338.041



4, 22.448, 335.018

Previews

White Background



This preview shows how the CIELCh color 75, 11.785, 220.257 looks on a white background.

Color Contrast Check

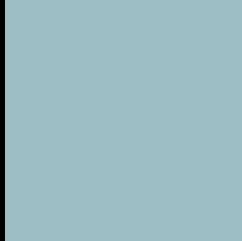
Large Text (above 18pt) WCAG AA × Fail

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, 11.785, 220.257 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

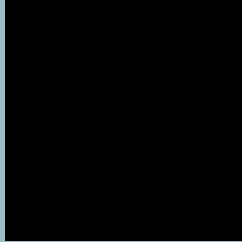
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

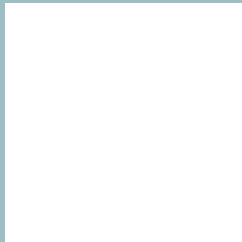
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 11.785, 220.257

Background



This preview shows how black text looks on a background with the CIELCh color 75, 11.785, 220.257.



This preview shows how white text looks on a background with the CIELCh color 75, 11.785, 220.257.

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, 11.785, 220.257

Protanopia

75, 6.004, 297.695

Deuteranopia

75, 12.815, 318.094



Tritanopia
75, 12.871, 238.000

Trichromacy



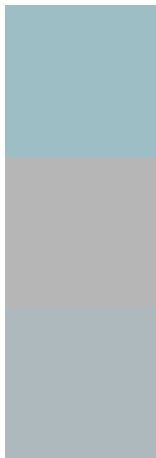
Original Color
75, 11.785, 220.257

Protanomaly
75, 6.608, 254.222

Deuteranomaly
75, 8.652, 288.631

Tritanomaly
75, 12.295, 233.765

Monochromacy



Original Color
75, 11.785, 220.257

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 4.615, 219.806

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 11.785, 220.257 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(158, 190, 198)` looks like.

```
.text, #text, p{  
    color:rgb(158, 190, 198)  
}
```

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(158, 190, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 190, 198) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 11.785, 220.257 is called "border". The border property can be set on classes, ids or directly on the HTML element.

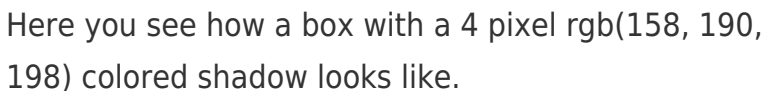
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(158, 190, 198) }
```

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

```
.border{ border-color:rgb(158, 190, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(158, 190, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(158, 190, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(158, 190, 198); box-shadow:4px 4px 4px 4px rgb(158, 190, 198) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 11.785, 220.257 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 190, 198) }
```

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

```
.background{ background-color: rgb(158,  
190, 198) }
```

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