

Converting Colors

CIELCh(75, 12.948, 208.126)

Have a look what the booklet for
CIELCh(75, 12.948, 208.126)
contains.

CIELCh(75, 12.956, 208.125)	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, 12.956, 208.125)

Conversions

Conversions Part 1

Format	Color
Hex	9ABFC3
RGB	154, 191, 195
RGB Percent	60%, 75%, 76%
CMY	0.3947, 0.2496, 0.2339
CMYK	0.21, 0.02, 0.00, 0.23
HSL	186°, 26%, 69%
HSV	186°, 21%, 77%
XYZ	41.9925, 48.2781, 58.9474
YIQ	180.3930, -23.3360, -6.6000

Conversions

Conversions Part 2

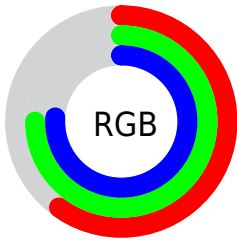
Format	Color
RYB	154, 173, 195
Decimal	10141635
CIELab	75.00, -11.43, -6.11
CIELCh	75, 12.956, 208.125
Yxy	48.2781, 0.2814, 0.3235
Android (android.graphics.Color)	4288331715 (0xFF9ABFC3)
YUV	180.3930, 7.2013, -23.1467
Hunter-Lab	69.4824, -13.7159, -1.6626

Details

The CIELCh color **75, 12.956, 208.125** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **68, 14.941, 29.057**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 12.901, 210.206**, and **55, 13.048, 205.829** is the 20% darker color. If you saturate the color by 10%, you get **73, 18.442, 208.132**, and if you desaturate by 10%, it is **77, 6.991, 208.238**.

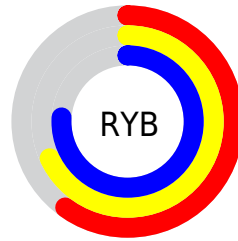
Distribution



Red (60%)

Green (75%)

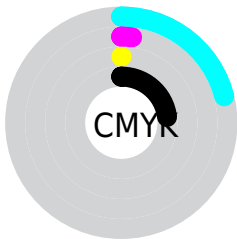
Blue (76%)



Red (60%)

Yellow (68%)

Blue (76%)

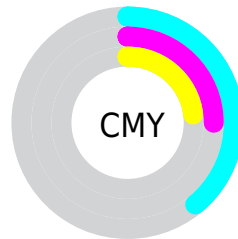


Cyan (21%)

Magenta (2%)

Yellow (0%)

Black (23%)



Cyan (39%)


Magenta (25%)


Yellow (23%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 12.956, 208.125 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, 12.956, 208.125 by changing the saturation by 10% instead.


 75, 12.956,
208.125


 75, 12.956,
208.125


 100, 12.956,
208.125


 65, 12.956,
208.125


 95, 12.956,
208.125

 55, 12.956,
208.125

 45, 12.956,
208.125

 35, 12.956,
208.125

 25, 12.956,
208.125

 15, 12.956,
208.125

 5, 12.956, 208.125

0, 12.956, 208.125

75, 12.956,
208.125

75, 12.956,
208.125

73, 18.442,
208.132

77, 6.991, 208.238

72, 23.341,
208.288

79, 0.646, 209.177

81, 5.989, 28.478

70, 27.553,
208.614

83, 12.836, 28.817

69, 30.989,
209.142

85, 19.831, 29.159

86, 20.451, 31.696

68, 33.588,
209.910

86, 19.970, 34.764

67, 35.332,
210.954

87, 19.551, 37.975

■ 66, 36.263,
212.309

■ 87, 19.197, 41.315

■ 66, 36.584,
213.765

Harmonies

Complementary

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



75, 12.956, 208.125



68, 14.941, 29.057

Rectangle

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



75, 12.956, 208.125



75, 12.956, 258.125



75, 12.956, 28.125



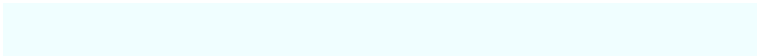
75, 12.956, 78.125

Sweetspot

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



75, 12.956, 208.118



99, 4.798, 208.373



75, 25.518, 145.390



52, 3.178, 208.349



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, 12.956, 208.118



94, 18.867, 208.108



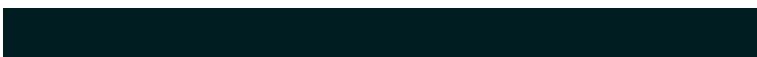
70, 14.219, 266.960



40, 3.598, 208.274



55, 31.681, 213.486



9, 11.187, 209.510

Inverse Universe

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



69, 25.306, 328.397



85, 37.419, 328.657



74, 14.619, 81.166



38, 6.759, 327.708



37, 75.843, 332.488



4, 22.108, 329.859

Previews

White Background



This preview shows how the CIELCh color 75, 12.956, 208.125 looks on a white background.

Color Contrast Check

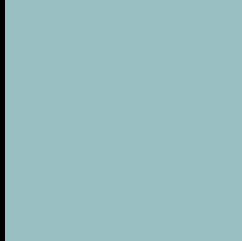
Large Text (above 18pt) WCAG AA × Fail

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, 12.956, 208.125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

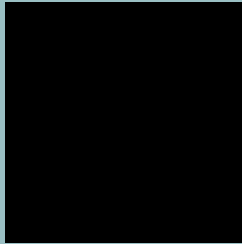
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

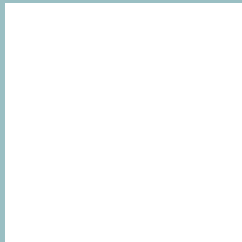
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 12.956, 208.125

Background



This preview shows how black text looks on a background with the CIELCh color 75, 12.956, 208.125.



This preview shows how white text looks on a background with the CIELCh color 75, 12.956, 208.125.

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, 12.956, 208.125

Protanopia
75, 3.960, 306.684

Deuteranopia
75, 12.054, 322.007



Tritanopia
75, 13.881, 234.580

Trichromacy



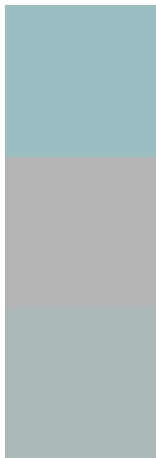
Original Color
75, 12.956, 208.125

Protanomaly
75, 5.346, 236.610

Deuteranomaly
75, 7.593, 285.477

Tritanomaly
75, 13.205, 225.494

Monochromacy



Original Color
75, 12.956, 208.125

Achromatopsia
74, 0.009, 296.813

Achromatomaly
74, 5.106, 205.198

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 12.956, 208.125 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(154, 191, 195)` looks like.

```
.text, #text, p{  
    color:rgb(154, 191, 195)  
}
```

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(154, 191, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 191, 195) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 12.956, 208.125 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(154, 191, 195) }
```

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

```
.border{ border-color:rgb(154, 191, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 191, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 191, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 191, 195);  
box-shadow:4px 4px 4px 4px rgb(154, 191,  
195) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 12.956, 208.125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 191, 195) }
```

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

```
.background{ background-color: rgb(154,  
191, 195) }
```

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