

Converting Colors

CIELCh(75, 20.260, 235.938)

Have a look what the booklet for
CIELCh(75, 20.260, 235.938)
contains.

CIELCh(75, 20.399, 236.192)	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, 20.399, 236.192)

Conversions

Conversions Part 1

Format	Color
Hex	8CC0D7
RGB	140, 192, 215
RGB Percent	55%, 75%, 84%
CMY	0.4503, 0.2464, 0.1562
CMYK	0.35, 0.11, 0.00, 0.16
HSL	198°, 48%, 70%
HSV	198°, 35%, 84%
XYZ	42.0176, 48.2781, 71.5098
YIQ	179.0740, -38.3750, -3.8710

Conversions

Conversions Part 2

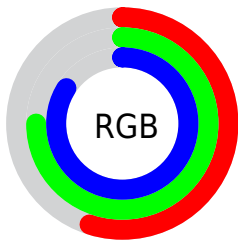
Format	Color
RYB	140, 171, 215
Decimal	9224407
CIELab	75.00, -11.35, -16.95
CIElCh	75, 20.399, 236.192
Yxy	48.2781, 0.2597, 0.2984
Android (android.graphics.Color)	4287414487 (0xFF8CC0D7)
YUV	179.0740, 17.7115, -34.2679
Hunter-Lab	69.4824, -13.6514, -12.3823

Details

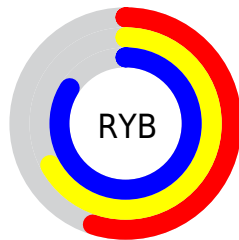
The CIELCh color **75, 20.399, 236.192** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **71, 25.222, 50.271**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 17.276, 210.501**, and **55, 20.400, 234.674** is the 20% darker color. If you saturate the color by 10%, you get **72, 25.369, 237.975**, and if you desaturate by 10%, it is **78, 14.975, 234.780**.

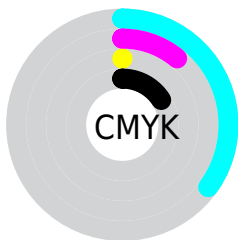
Distribution



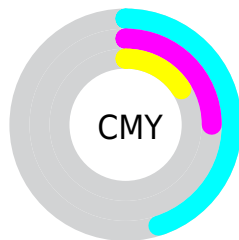
- Red (55%)
- Green (75%)
- Blue (84%)



- Red (55%)
- Yellow (67%)
- Blue (84%)



- Cyan (35%)
- Magenta (11%)
- Yellow (0%)
- Black (16%)





- Cyan (45%)
- Magenta (25%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 20.399, 236.192 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, 20.399, 236.192 by changing the saturation by 10% instead.


 75, 20.399,
236.192


 75, 20.399,
236.192


 100, 20.399,
236.192


 65, 20.399,
236.192


 95, 20.399,
236.192

 55, 20.399,
236.192

 45, 20.399,
236.192

 35, 20.399,
236.192

 25, 20.399,
236.192

 15, 20.399,
236.192

 5, 20.399, 236.192

0, 20.399, 236.192

75, 20.399,
236.192

75, 20.399,
236.192

72, 25.369,
237.975

78, 14.975,
234.780

69, 29.823,
240.221

81, 9.173, 233.683

67, 33.722,
243.021

84, 3.063, 232.914

88, 3.288, 51.882

64, 37.072,
246.456

91, 9.821, 51.438

62, 39.942,
250.577

93, 12.144, 64.174

95, 13.377, 81.730

60, 42.476,
255.353

97, 15.614, 95.200

■ 58, 43.762,
257.915

■ 98, 18.479,
104.815

Harmonies

Complementary

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



75, 20.399, 236.192



71, 25.222, 50.271

Rectangle

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



75, 20.399, 236.192



75, 20.399, 286.192



75, 20.399, 56.192



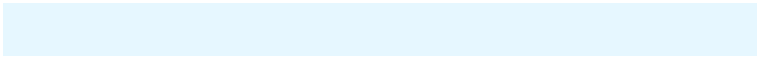
75, 20.399, 106.192

Sweetspot

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



75, 20.398, 236.189



96, 7.159, 233.262



80, 38.985, 151.353



51, 4.870, 233.380



0, 0.000, 0.000



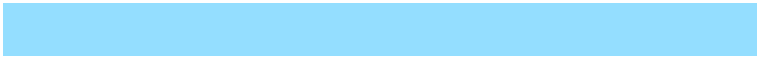
53, 0.007, 296.813

Same Dimension

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



75, 20.398, 236.189



85, 27.504, 237.497



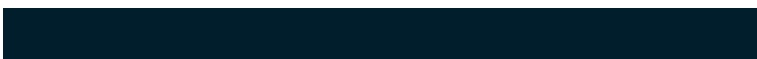
65, 33.527, 285.544



43, 3.532, 233.208



47, 36.559, 257.029



10, 13.280, 246.100

Inverse Universe

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



67, 39.250, 337.148



75, 53.912, 337.803



81, 32.135, 96.304



42, 6.330, 335.170



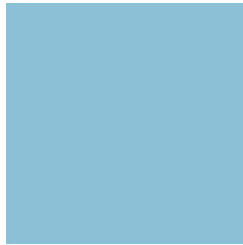
38, 68.165, 345.249



6, 26.343, 341.477

Previews

White Background



This preview shows how the CIELCh color 75, 20.399, 236.192 looks on a white background.

Color Contrast Check

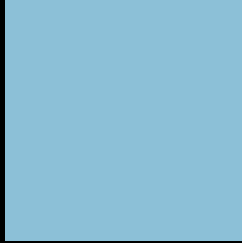
Large Text (above 18pt) WCAG AA × Fail

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, 20.399, 236.192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

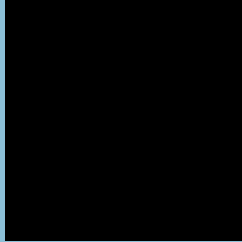
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 20.399, 236.192

Background



This preview shows how black text looks on a background with the CIELCh color 75, 20.399, 236.192.



This preview shows how white text looks on a background with the CIELCh color 75, 20.399, 236.192.

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, 20.399, 236.192

Protanopia
75, 14.070, 287.238

Deuteranopia
75, 20.672, 296.849



Tritanopia
75, 19.294, 225.040

Trichromacy



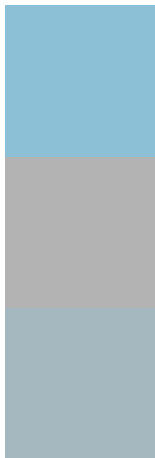
Original Color
75, 20.399, 236.192

Protanomaly
75, 14.933, 264.351

Deuteranomaly
75, 18.393, 275.931

Tritanomaly
75, 19.676, 228.092

Monochromacy



Original Color
75, 20.399, 236.192

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 7.931, 232.248

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 20.399, 236.192 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(140, 192, 215)` looks like.

```
.text, #text, p{  
    color:rgb(140, 192, 215)  
}
```

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(140, 192, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 192, 215) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 20.399, 236.192 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(140, 192, 215) }
```

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

```
.border{ border-color:rgb(140, 192, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 192, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 192, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 192, 215);  
box-shadow:4px 4px 4px 4px rgb(140, 192,  
215) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 20.399, 236.192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 192, 215) }
```

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

```
.background{ background-color: rgb(140,  
192, 215) }
```

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