

Converting Colors

CIELCh(75, 32.470, 210.083)

Have a look what the booklet for
CIELCh(75, 32.470, 210.083)
contains.

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Color

CIELCh(75, 32.419, 210.839)

Conversions

Conversions Part 1

Format	Color
Hex	57C8D6
RGB	87, 200, 214
RGB Percent	34%, 78%, 84%
CMY	0.6581, 0.2151, 0.1602
CMYK	0.59, 0.07, 0.00, 0.16
HSL	187°, 61%, 59%
HSV	187°, 59%, 84%
XYZ	36.7947, 48.2781, 71.1024
YIQ	167.8090, -71.8420, -19.6020

Conversions

Conversions Part 2

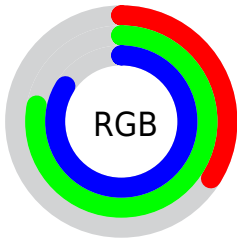
Format	Color
R_{YB}	87, 147, 214
Decimal	5753046
CIE _{Lab}	75.00, -27.84, -16.62
CIE _{LCh}	75, 32.419, 210.839
Yxy	48.2781, 0.2356, 0.3091
Android (android.graphics.Color)	4283943126 (0xFF57C8D6)
YUV	167.8090, 22.7722, -70.8695
Hunter-Lab	69.4824, -27.0689, -12.0346

Details

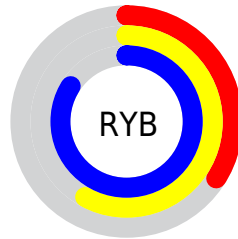
The CIELCh color **75, 32.419, 210.839** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **56, 52.191, 33.923**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.372, 197.427**, and **55, 31.872, 210.415** is the 20% darker color. If you saturate the color by 10%, you get **74, 35.317, 211.723**, and if you desaturate by 10%, it is **76, 28.630, 210.215**.

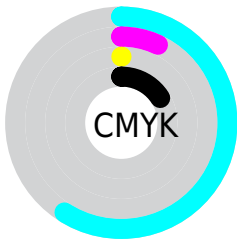
Distribution



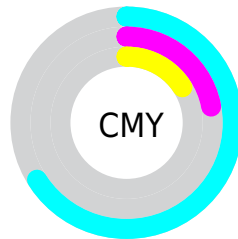
- Red (34%)
- Green (78%)
- Blue (84%)



- Red (34%)
- Yellow (58%)
- Blue (84%)



- Cyan (59%)
- Magenta (7%)
- Yellow (0%)
- Black (16%)





- Cyan (66%)
- Magenta (22%)
- Yellow (16%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 32.419, 210.839 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, 32.419, 210.839 by changing the saturation by 10% instead.


 75, 32.419,
210.839


 75, 32.419,
210.839


 100, 32.419,
210.839


 65, 32.419,
210.839


 95, 32.419,
210.839

 55, 32.419,
210.839

 45, 32.419,
210.839

 35, 32.419,
210.839

 25, 32.419,
210.839

 15, 32.419,
210.839

 5, 32.419, 210.839

0, 32.419, 210.839

75, 32.419,
210.839

75, 32.419,
210.839

74, 35.317,
211.723

76, 28.630,
210.215

73, 37.299,
212.919

78, 24.023,
209.814

72, 38.402,
214.465

80, 18.696,
209.597

71, 38.797,
216.357

82, 12.760,
209.533

71, 38.817,
216.496

84, 6.328, 209.619

86, 0.494, 28.473

88, 7.612, 29.781

■ 90, 13.628, 30.935

■ 91, 13.068, 36.778

Harmonies

Complementary

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



75, 32.419, 210.839



56, 52.191, 33.923

Rectangle

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



75, 32.419, 210.839



75, 32.419, 260.839



75, 32.419, 30.839



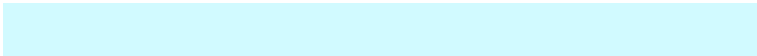
75, 32.419, 80.839

Sweetspot

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



75, 32.418, 210.837



96, 13.766, 209.535



77, 73.933, 141.845



50, 9.475, 209.535



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, 32.418, 210.837



86, 40.931, 211.982



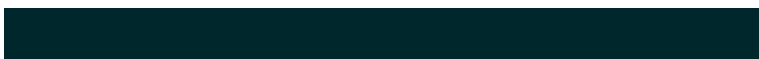
57, 44.598, 277.609



44, 3.865, 209.616



57, 32.838, 216.146



13, 13.075, 212.129

Inverse Universe

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



57, 72.387, 331.054



63, 94.502, 331.732



70, 47.338, 77.326



42, 7.276, 328.107



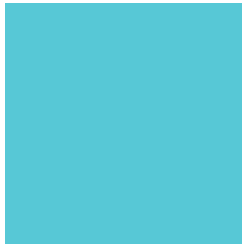
39, 78.554, 333.140



6, 30.400, 331.977

Previews

White Background



This preview shows how the CIELCh color 75, 32.419, 210.839 looks on a white background.

Color Contrast Check

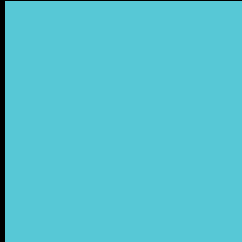
Large Text (above 18pt) WCAG AA × Fail

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, 32.419, 210.839 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, 32.419, 210.839

Background



This preview shows how black text looks on a background with the CIELCh color 75, 32.419, 210.839.



This preview shows how white text looks on a background with the CIELCh color 75, 32.419, 210.839.

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, 32.419, 210.839

Protanopia

75, 11.362, 289.470

Deuteranopia

75, 21.769, 296.695



Tritanopia
75, 32.278, 212.944

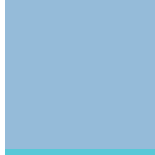
Trichromacy



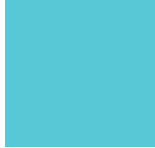
Original Color
75, 32.419, 210.839



Protanomaly
74, 16.720, 234.392



Deuteranomaly
74, 19.998, 253.518

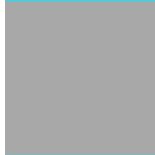


Tritanomaly
75, 32.254, 211.936

Monochromacy



Original Color
75, 32.419, 210.839



Achromatopsia
69, 0.009, 296.813



Achromatomaly
71, 14.357, 209.372

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 32.419, 210.839 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(87, 200, 214)` looks like.

```
.text, #text, p{  
    color:rgb(87, 200, 214)  
}
```

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(87, 200, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 200, 214) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 32.419, 210.839 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(87, 200, 214) }
```

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

```
.border{ border-color:rgb(87, 200, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 200, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 200, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 200, 214);  
box-shadow:4px 4px 4px 4px rgb(87, 200,  
214) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 32.419, 210.839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 200, 214) }
```

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

```
.background{ background-color: rgb(87, 200,  
214) }
```

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](#).

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