

# Converting Colors

CIELCh(75, 32.857, 217.459)

Have a look what the booklet for  
CIELCh(75, 32.857, 217.459)  
contains.

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**Color**

**CIELCh(75, 32.801, 216.724)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56C8DC
RGB	86, 200, 220
RGB Percent	34%, 78%, 86%
CMY	0.6641, 0.2169, 0.1385
CMYK	0.61, 0.09, 0.00, 0.14
HSL	189°, 65%, 60%
HSV	189°, 61%, 86%
XYZ	37.2645, 48.2781, 74.8480
YIQ	168.1940, -74.3640, -17.9480

# Conversions

## Conversions Part 2

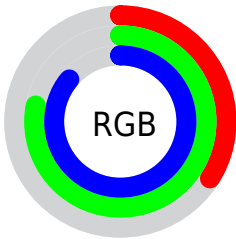
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	86, 148, 220
Decimal	5687516
CIE Lab	75.00, -26.29, -19.61
CIE LCh	75, 32.801, 216.724
Yxy	48.2781, 0.2323, 0.3010
Android (android.graphics.Color)	4283877596 (0xFF56C8DC)
YUV	168.1940, 25.5404, -72.0841
Hunter-Lab	69.4824, -25.8619, -15.2307

# Details

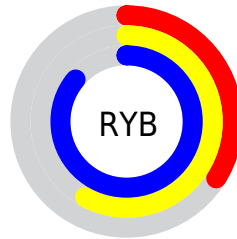
The CIELCh color **75, 32.801, 216.724** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **58, 53.793, 36.854**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.372, 197.427**, and **55, 31.912, 217.083** is the 20% darker color. If you saturate the color by 10%, you get **73, 35.573, 218.153**, and if you desaturate by 10%, it is **77, 29.150, 215.654**.

# Distribution



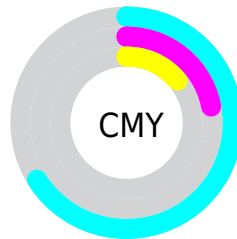
- Red (34%)
- Green (78%)
- Blue (86%)



- Red (34%)
- Yellow (58%)
- Blue (86%)



- Cyan (61%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)




- Cyan (66%)
- Magenta (22%)
- Yellow (14%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 32.801, 216.724 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, 32.801, 216.724 by changing the saturation by 10% instead.





 75, 32.801,  
216.724


 75, 32.801,  
216.724


 100, 32.801,  
216.724


 65, 32.801,  
216.724


 95, 32.801,  
216.724

 55, 32.801,  
216.724

 45, 32.801,  
216.724

 35, 32.801,  
216.724

 25, 32.801,  
216.724

 15, 32.801,  
216.724

 5, 32.801, 216.724

0, 32.801, 216.724

75, 32.801,  
216.724

75, 32.801,  
216.724

73, 35.573,  
218.153

77, 29.150,  
215.654

72, 37.458,  
220.011

79, 24.686,  
214.886

71, 38.513,  
222.356

81, 19.500,  
214.363

70, 38.941,  
224.845

83, 13.701,  
214.041

85, 7.400, 213.896

87, 0.700, 214.602

90, 6.307, 33.694

■ 92, 11.205, 36.620

■ 93, 10.708, 46.979

# Harmonies

# Complementary

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



75, 32.801, 216.724



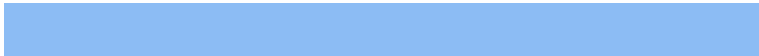
58, 53.793, 36.854

# Rectangle

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



75, 32.801, 216.724



75, 32.801, 266.724



75, 32.801, 36.724



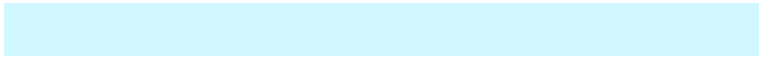
75, 32.801, 86.724

# Sweetspot

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



75, 32.800, 216.723



95, 13.366, 213.981



78, 75.619, 142.536



50, 9.201, 214.042



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, 32.800, 216.723



84, 40.454, 218.592



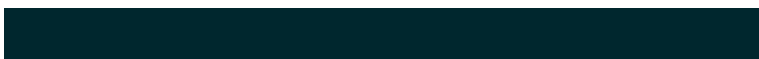
56, 49.269, 280.930



45, 3.825, 213.892



56, 32.652, 224.331



14, 13.231, 218.899



# Inverse Universe

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



58, 73.601, 332.624



63, 93.549, 333.440



73, 50.554, 80.010



43, 7.218, 329.352



40, 77.062, 335.180

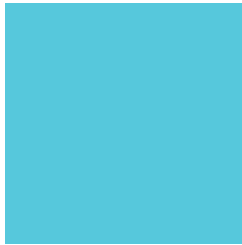


7, 31.118, 333.756



# Previews

## White Background



This preview shows how the CIE LCh color 75, 32.801, 216.724 looks on a white background.

## Color Contrast Check

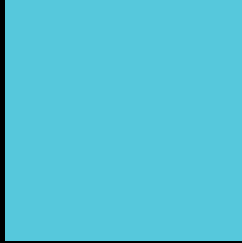
Large Text (above 18pt) WCAG AA × Fail

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, 32.801, 216.724 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, 32.801, 216.724

## Background



This preview shows how black text looks on a background with the CIELCh color 75, 32.801, 216.724.



This preview shows how white text looks on a background with the CIELCh color 75, 32.801, 216.724.

# 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

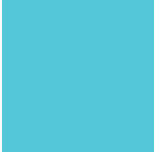


**Original Color**  
75, 32.801, 216.724

**Protanopia**  
75, 14.084, 287.246

**Deuteranopia**  
74, 24.400, 294.026



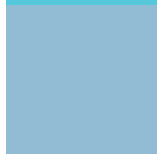


**Tritanopia**  
75, 32.970, 212.563

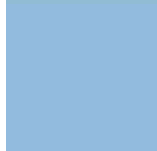
# Trichromacy



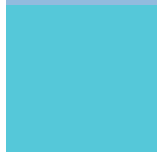
**Original Color**  
75, 32.801, 216.724



**Protanomaly**  
74, 18.751, 242.785



**Deuteranomaly**  
74, 22.548, 256.470

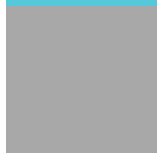


**Tritanomaly**  
75, 32.829, 213.648

# Monochromacy



**Original Color**  
75, 32.801, 216.724



**Achromatopsia**  
69, 0.009, 296.813



**Achromatomaly**  
71, 14.799, 213.410

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 75, 32.801, 216.724 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(86, 200, 220)` looks like.

```
.text, #text, p{  
    color:rgb(86, 200, 220)  
}
```

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(86, 200, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 200, 220) }
```

## Border

The CSS property to change the border of an element to CIELCh 75, 32.801, 216.724 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(86, 200, 220) }
```

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

```
.border{ border-color:rgb(86, 200, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 200, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 200, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 200, 220);  
box-shadow:4px 4px 4px 4px rgb(86, 200,  
220) }
```

# Background

The CSS property to change the background color of an element to CIELCh 75, 32.801, 216.724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 200, 220) }
```

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

```
.background{ background-color: rgb(86, 200,  
220) }
```

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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