

Converting Colors

CIELCh(75, 33.233, 233.966)

Have a look what the booklet for
CIELCh(75, 33.233, 233.966)
contains.

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Color

CIELCh(75, 33.220, 233.946)

Conversions

Conversions Part 1

Format	Color
Hex	5EC5E9
RGB	94, 197, 233
RGB Percent	37%, 77%, 91%
CMY	0.6307, 0.2269, 0.0857
CMYK	0.60, 0.15, 0.00, 0.09
HSL	196°, 76%, 64%
HSV	196°, 60%, 91%
XYZ	39.3614, 48.2781, 84.4458
YIQ	170.3070, -72.9440, -10.6400

Conversions

Conversions Part 2

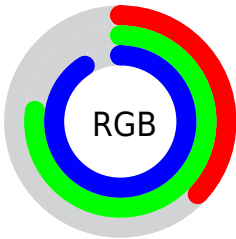
Format	Color
R _Y B	94, 153, 233
Decimal	6211049
CIE Lab	75.00, -19.55, -26.86
CIE LCh	75, 33.220, 233.946
Yxy	48.2781, 0.2287, 0.2805
Android (android.graphics.Color)	4284401129 (0xFF5EC5E9)
YUV	170.3070, 30.9076, -66.9212
Hunter-Lab	69.4824, -20.4750, -23.4207

Details

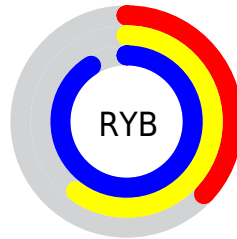
The CIELCh color **75, 33.220, 233.946** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **65, 51.628, 45.315**, and the grayscale version is **70, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.332, 198.532**, and **55, 33.191, 233.836** is the 20% darker color. If you saturate the color by 10%, you get **73, 36.667, 236.647**, and if you desaturate by 10%, it is **78, 29.055, 231.807**.

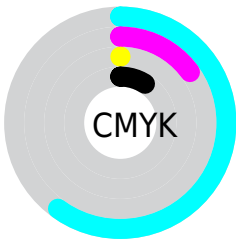
Distribution



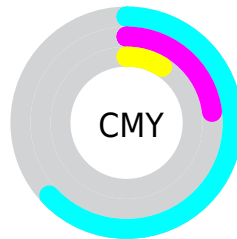
- Red (37%)
- Green (77%)
- Blue (91%)



- Red (37%)
- Yellow (60%)
- Blue (91%)



- Cyan (60%)
- Magenta (15%)
- Yellow (0%)
- Black (9%)





- Cyan (63%)
- Magenta (23%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 33.220, 233.946 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, 33.220, 233.946 by changing the saturation by 10% instead.


 75, 33.220,
233.946


 75, 33.220,
233.946


 100, 33.220,
233.946


 65, 33.220,
233.946


 95, 33.220,
233.946

 55, 33.220,
233.946

 45, 33.220,
233.946

 35, 33.220,
233.946

 25, 33.220,
233.946

 15, 33.220,
233.946

 5, 33.220, 233.946

0, 33.220, 233.946

75, 33.220,
233.946

75, 33.220,
233.946

73, 36.667,
236.647

78, 29.055,
231.807

70, 39.416,
239.999

80, 24.214,
230.137

68, 41.563,
244.053

83, 18.772,
228.848

66, 43.338,
248.707

86, 12.817,
227.869

66, 43.409,
248.890

89, 6.443, 227.157

93, 0.265, 44.279

96, 6.459, 49.373

■ 97, 7.136, 80.844

■ 99, 9.389, 101.748

Harmonies

Complementary

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



75, 33.220, 233.946



65, 51.628, 45.315

Rectangle

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



75, 33.220, 233.946



75, 33.220, 283.946



75, 33.220, 53.946



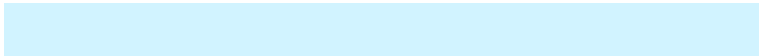
75, 33.220, 103.946

Sweetspot

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



75, 33.219, 233.945



94, 12.706, 227.743



83, 71.473, 146.370



49, 8.758, 227.990



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, 33.219, 233.945



78, 40.117, 237.499



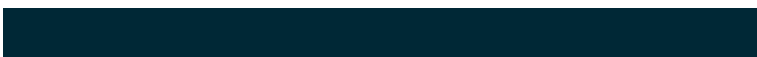
56, 59.639, 288.532



48, 3.830, 227.149



52, 35.735, 248.031



14, 14.741, 240.091

Inverse Universe

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



61, 70.465, 337.217



62, 86.254, 338.493



81, 55.696, 89.632



46, 7.058, 333.275



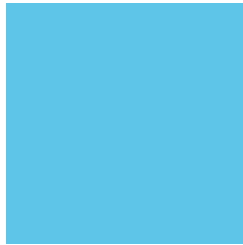
41, 73.366, 341.948



8, 32.270, 339.455

Previews

White Background



This preview shows how the CIE LCh color 75, 33.220, 233.946 looks on a white background.

Color Contrast Check

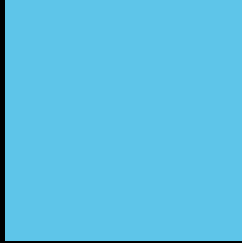
Large Text (above 18pt) WCAG AA × Fail

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, 33.220, 233.946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

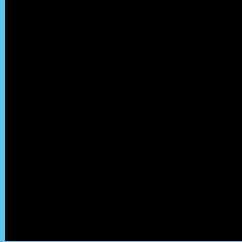
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 33.220, 233.946

Background



This preview shows how black text looks on a background with the CIELCh color 75, 33.220, 233.946.

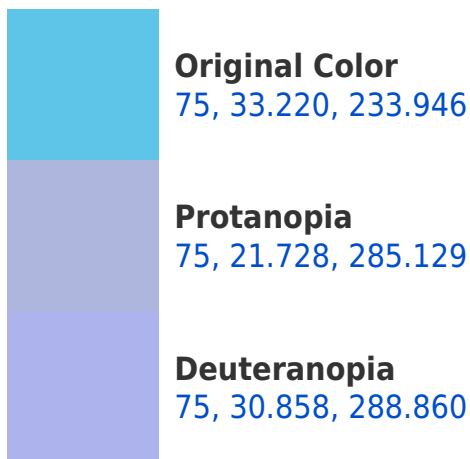


This preview shows how white text looks on a background with the CIELCh color 75, 33.220, 233.946.

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





Tritanopia
75, 32.454, 212.846

Trichromacy



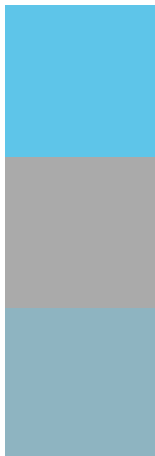
Original Color
75, 33.220, 233.946

Protanomaly
74, 24.101, 257.849

Deuteranomaly
74, 29.393, 266.770

Tritanomaly
75, 32.169, 220.366

Monochromacy



Original Color
75, 33.220, 233.946

Achromatopsia
70, 0.009, 296.813

Achromatomaly
71, 14.543, 227.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 33.220, 233.946 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(94, 197, 233)` looks like.

```
.text, #text, p{  
    color:rgb(94, 197, 233)  
}
```

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(94, 197, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 197, 233) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 33.220, 233.946 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(94, 197, 233) }
```

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

```
.border{ border-color:rgb(94, 197, 233) }
```

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

Here you see how a box with a 4 pixel rgb(94, 197, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 197, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 197, 233);  
box-shadow:4px 4px 4px 4px rgb(94, 197,  
233) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 33.220, 233.946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 197, 233) }
```

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

```
.background{ background-color: rgb(94, 197,  
233) }
```

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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