

Converting Colors

CIELCh(75, 28.388, 232.892)

Have a look what the booklet for
CIELCh(75, 28.388, 232.892)
contains.

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Color

CIELCh(75, 28.316, 231.800)

Conversions

Conversions Part 1

Format	Color
Hex	71C4E1
RGB	113, 196, 225
RGB Percent	44%, 77%, 88%
CMY	0.5579, 0.2324, 0.1187
CMYK	0.50, 0.13, 0.00, 0.12
HSL	196°, 65%, 66%
HSV	196°, 50%, 88%
XYZ	40.0116, 48.2781, 78.2550
YIQ	174.4890, -58.7770, -8.5770

Conversions

Conversions Part 2

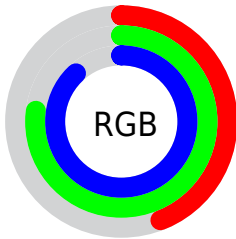
Format	Color
R _Y B	113, 161, 225
Decimal	7455969
CIE Lab	75.00, -17.51, -22.25
CIE LCh	75, 28.316, 231.800
Yxy	48.2781, 0.2402, 0.2899
Android (android.graphics.Color)	4285646049 (0xFF71C4E1)
YUV	174.4890, 24.9019, -53.9259
Hunter-Lab	69.4824, -18.8048, -18.1380

Details

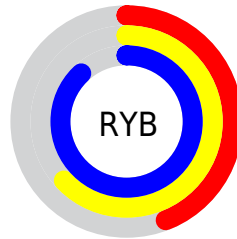
The CIELCh color **75, 28.316, 231.800** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **67, 40.357, 45.147**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 25.830, 200.128**, and **55, 28.385, 232.458** is the 20% darker color. If you saturate the color by 10%, you get **72, 32.348, 233.936**, and if you desaturate by 10%, it is **78, 23.626, 230.128**.

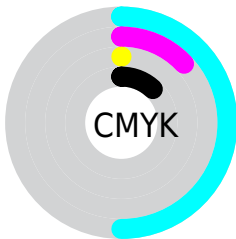
Distribution



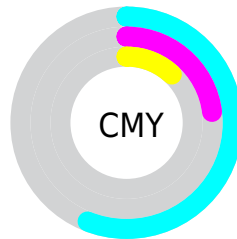
- Red (44%)
- Green (77%)
- Blue (88%)



- Red (44%)
- Yellow (63%)
- Blue (88%)



- Cyan (50%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)




- Cyan (56%)
- Magenta (23%)
- Yellow (12%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 28.316, 231.800 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, 28.316, 231.800 by changing the saturation by 10% instead.

 75, 28.316,
231.800

 75, 28.316,
231.800

 100, 28.316,
231.800


 65, 28.316,
231.800


 95, 28.316,
231.800


 55, 28.316,
231.800

 45, 28.316,
231.800

 35, 28.316,
231.800

 25, 28.316,
231.800

 15, 28.316,
231.800

 5, 28.316, 231.800

■ 0, 28.316, 231.800

■ 75, 28.316,
231.800

■ 75, 28.316,
231.800

■ 72, 32.348,
233.936

■ 78, 23.626,
230.128

■ 70, 35.687,
236.635

■ 80, 18.352,
228.838

■ 68, 38.348,
239.983

■ 83, 12.581,
227.857

■ 66, 40.427,
244.030

■ 86, 6.400, 227.143

■ 64, 42.154,
248.659

■ 89, 0.105, 41.026

■ 93, 6.860, 45.971

■ 64, 42.183,
248.734

■ 95, 9.052, 61.158

■ 96, 10.078, 81.981

■ 98, 12.132, 97.261

Harmonies

Complementary

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



75, 28.316, 231.800



67, 40.357, 45.147

Rectangle

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



75, 28.316, 231.800



75, 28.316, 281.800



75, 28.316, 51.800



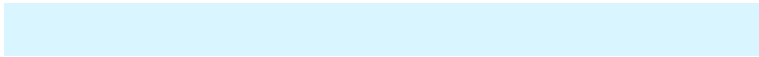
75, 28.316, 101.800

Sweetspot

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



75, 28.315, 231.798



95, 10.674, 227.485



81, 59.068, 147.737



50, 7.242, 227.645



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, 28.315, 231.798



81, 35.824, 234.077



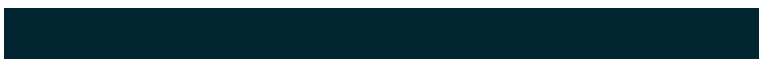
60, 47.679, 285.913



46, 3.693, 227.120



51, 34.954, 247.879



12, 13.794, 239.035

Inverse Universe

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



63, 58.831, 336.327



66, 76.094, 337.271



80, 45.488, 90.971



44, 6.805, 333.263



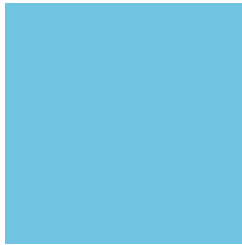
39, 71.864, 341.897



7, 30.171, 339.153

Previews

White Background



This preview shows how the CIE LCh color 75, 28.316, 231.800 looks on a white background.

Color Contrast Check

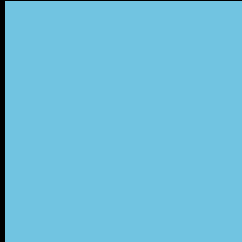
Large Text (above 18pt) WCAG AA × Fail

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, 28.316, 231.800 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, 28.316, 231.800

Background



This preview shows how black text looks on a background with the CIELCh color 75, 28.316, 231.800.



This preview shows how white text looks on a background with the CIELCh color 75, 28.316, 231.800.

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, 28.316, 231.800

Protanopia
75, 17.892, 286.373

Deuteranopia
75, 25.970, 291.859

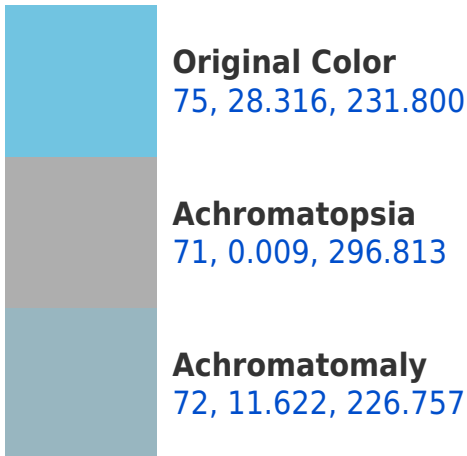


Tritanopia
75, 27.703, 215.927

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 28.316, 231.800 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(113, 196, 225)` looks like.

```
.text, #text, p{  
    color:rgb(113, 196, 225)  
}
```

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(113, 196, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 196, 225) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 28.316, 231.800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

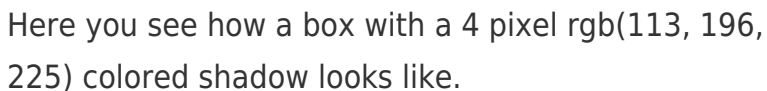
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(113, 196, 225) }
```

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

```
.border{ border-color:rgb(113, 196, 225) }
```

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



Here you see how a box with a 4 pixel `rgb(113, 196, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(113, 196, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(113, 196, 225); box-shadow:4px 4px 4px 4px rgb(113, 196, 225) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 28.316, 231.800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 196, 225) }
```

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

```
.background{ background-color: rgb(113,  
196, 225) }
```

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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