

Converting Colors

CIELCh(75, 29.794, 235.780)

Have a look what the booklet for
CIELCh(75, 29.794, 235.780)
contains.

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Color

CIELCh(75, 29.762, 235.068)

Conversions

Conversions Part 1

Format	Color
Hex	6EC4E5
RGB	110, 196, 229
RGB Percent	43%, 77%, 90%
CMY	0.5699, 0.2325, 0.1032
CMYK	0.52, 0.14, 0.00, 0.10
HSL	197°, 69%, 66%
HSV	197°, 52%, 90%
XYZ	40.1620, 48.2781, 81.1031
YIQ	174.0480, -61.8490, -7.9690

Conversions

Conversions Part 2

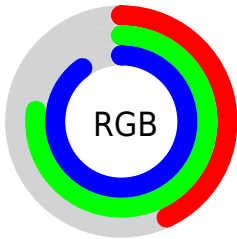
Format	Color
R _Y B	110, 160, 229
Decimal	7259365
CIE Lab	75.00, -17.04, -24.40
CIE LCh	75, 29.762, 235.068
Yxy	48.2781, 0.2369, 0.2848
Android (android.graphics.Color)	4285449445 (0xFF6EC4E5)
YUV	174.0480, 27.0913, -56.1701
Hunter-Lab	69.4824, -18.4183, -20.5683

Details

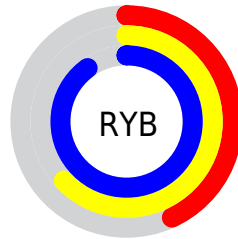
The CIELCh color **75, 29.762, 235.068** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **67, 42.767, 46.861**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 26.640, 200.009**, and **55, 29.630, 234.939** is the 20% darker color. If you saturate the color by 10%, you get **72, 33.802, 237.489**, and if you desaturate by 10%, it is **78, 25.079, 233.153**.

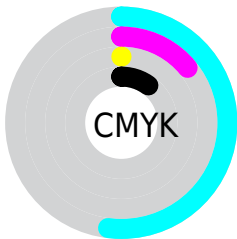
Distribution



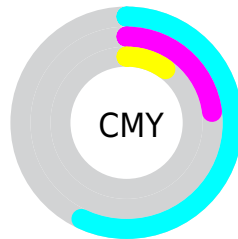
- Red (43%)
- Green (77%)
- Blue (90%)



- Red (43%)
- Yellow (63%)
- Blue (90%)



- Cyan (52%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)





- Cyan (57%)
- Magenta (23%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 29.762, 235.068 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, 29.762, 235.068 by changing the saturation by 10% instead.


 75, 29.762,
235.068


 75, 29.762,
235.068


 100, 29.762,
235.068


 65, 29.762,
235.068


 95, 29.762,
235.068

 55, 29.762,
235.068

 45, 29.762,
235.068

 35, 29.762,
235.068

 25, 29.762,
235.068

 15, 29.762,
235.068

 5, 29.762, 235.068

■ 0, 29.762, 235.068

■ 75, 29.762,
235.068

■ 75, 29.762,
235.068

■ 72, 33.802,
237.489

■ 78, 25.079,
233.153

■ 70, 37.181,
240.515

■ 81, 19.815,
231.658

■ 68, 39.939,
244.219

■ 84, 14.052,
230.501

■ 65, 42.201,
248.624

■ 87, 7.874, 229.628

■ 64, 43.829,
252.491

■ 90, 1.364, 229.277

■ 93, 5.403, 48.219

■ 96, 7.941, 66.602

■ 97, 9.532, 90.369

■ 99, 12.220,
105.425

Harmonies

Complementary

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



75, 29.762, 235.068



67, 42.767, 46.861

Rectangle

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



75, 29.762, 235.068



75, 29.762, 285.068



75, 29.762, 55.068



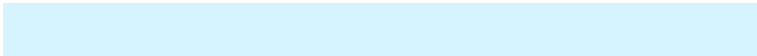
75, 29.762, 105.068

Sweetspot

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



75, 29.761, 235.067



94, 11.320, 229.950



82, 61.542, 148.030



50, 7.602, 230.131



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, 29.761, 235.067



80, 36.837, 237.580



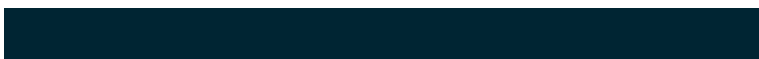
59, 51.804, 287.467



46, 3.748, 229.450



51, 36.186, 251.610



13, 14.452, 242.875

Inverse Universe

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



63, 61.236, 337.347



65, 77.104, 338.342



82, 48.762, 91.865



45, 6.842, 333.983



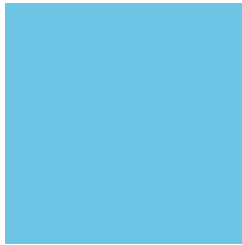
40, 71.723, 343.188



8, 30.960, 340.297

Previews

White Background



This preview shows how the CIELCh color 75, 29.762, 235.068 looks on a white background.

Color Contrast Check

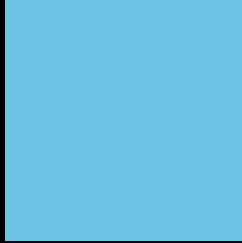
Large Text (above 18pt) WCAG AA × Fail

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, 29.762, 235.068 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

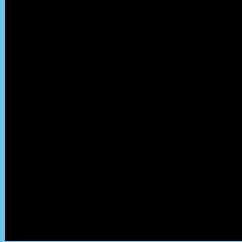
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 75, 29.762, 235.068

Background



This preview shows how black text looks on a background with the CIELCh color 75, 29.762, 235.068.

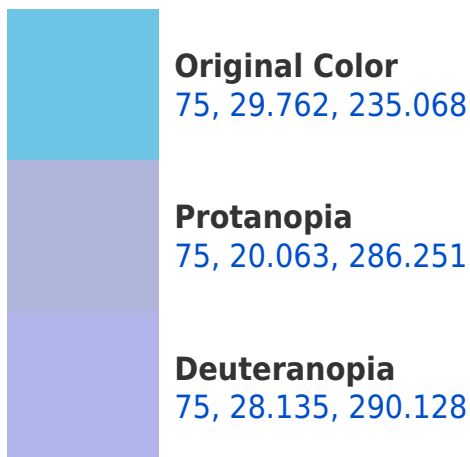


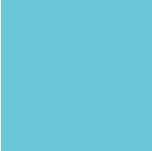
This preview shows how white text looks on a background with the CIELCh color 75, 29.762, 235.068.

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, 28.558, 215.305

Trichromacy



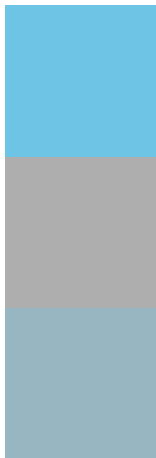
Original Color
75, 29.762, 235.068

Protanomaly
75, 22.086, 261.302

Deuteranomaly
75, 26.162, 268.261

Tritanomaly
75, 28.500, 222.549

Monochromacy



Original Color
75, 29.762, 235.068

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 12.366, 230.740

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 29.762, 235.068 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(110, 196, 229)` looks like.

```
.text, #text, p{  
    color:rgb(110, 196, 229)  
}
```

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(110, 196, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 196, 229) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 29.762, 235.068 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(110, 196, 229) }
```

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

```
.border{ border-color:rgb(110, 196, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 196, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(110, 196, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(110, 196, 229); box-shadow:4px 4px 4px 4px rgb(110, 196, 229) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 29.762, 235.068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 196, 229) }
```

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

```
.background{ background-color: rgb(110,  
196, 229) }
```

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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