

Converting Colors

CIELCh(75, 33.830, 244.443)

Have a look what the booklet for
CIELCh(75, 33.830, 244.443)
contains.

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Color

CIELCh(75, 33.828, 244.505)

Conversions

Conversions Part 1

Format	Color
Hex	68C3F0
RGB	104, 195, 240
RGB Percent	41%, 76%, 94%
CMY	0.5920, 0.2352, 0.0587
CMYK	0.57, 0.19, 0.00, 0.06
HSL	200°, 82%, 67%
HSV	200°, 57%, 94%
XYZ	40.9640, 48.2781, 89.6171
YIQ	172.9210, -68.6810, -5.2970

Conversions

Conversions Part 2

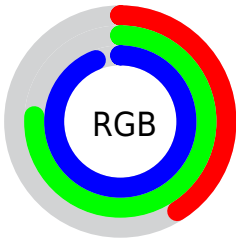
Format	Color
RYB	104, 159, 240
Decimal	6865904
CIELab	75.00, -14.56, -30.53
CIElCh	75, 33.828, 244.505
Yxy	48.2781, 0.2290, 0.2699
Android (android.graphics.Color)	4285055984 (0xFF68C3F0)
YUV	172.9210, 33.0699, -60.4437
Hunter-Lab	69.4824, -16.3579, -27.8333

Details

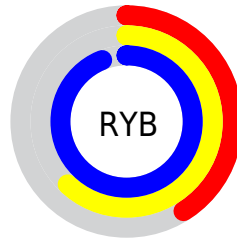
The CIELCh color **75, 33.828, 244.505** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **70, 48.340, 51.789**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 27.392, 200.994**, and **55, 33.920, 245.135** is the 20% darker color. If you saturate the color by 10%, you get **72, 38.198, 247.620**, and if you desaturate by 10%, it is **78, 28.904, 241.976**.

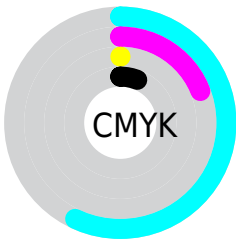
Distribution



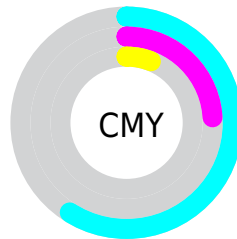
- Red (41%)
- Green (76%)
- Blue (94%)



- Red (41%)
- Yellow (62%)
- Blue (94%)



- Cyan (57%)
- Magenta (19%)
- Yellow (0%)
- Black (6%)





- Cyan (59%)
- Magenta (24%)
- Yellow (6%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 33.828, 244.505 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, 33.828, 244.505 by changing the saturation by 10% instead.


 75, 33.828,
244.505


 75, 33.828,
244.505


 100, 33.828,
244.505


 65, 33.828,
244.505


 95, 33.828,
244.505

 55, 33.828,
244.505

 45, 33.828,
244.505

 35, 33.828,
244.505

 25, 33.828,
244.505

 15, 33.828,
244.505

 5, 33.828, 244.505

0, 33.828, 244.505

75, 33.828,
244.505

75, 33.828,
244.505

72, 38.198,
247.620

78, 28.904,
241.976

69, 42.048,
251.393

82, 23.454,
239.947

66, 45.479,
255.843

85, 17.534,
238.329

64, 48.676,
260.880

89, 11.216,
237.049

63, 49.764,
262.584

92, 4.573, 236.086

96, 2.324, 54.892

99, 5.586, 93.504

100, 7.580,
109.600

Harmonies

Complementary

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



75, 33.828, 244.505



70, 48.340, 51.789

Rectangle

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



75, 33.828, 244.505



75, 33.828, 294.505



75, 33.828, 64.505



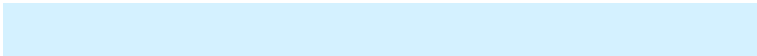
75, 33.828, 114.505

Sweetspot

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



75, 33.827, 244.504



93, 12.011, 237.094



86, 66.425, 149.206



49, 7.998, 237.330



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, 33.827, 244.504



76, 40.653, 248.165



57, 63.160, 291.400



48, 3.877, 236.318



49, 40.297, 261.628



13, 16.321, 253.228

Inverse Universe

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



64, 66.124, 340.421



63, 79.581, 341.834



86, 57.180, 94.666



47, 6.824, 336.199



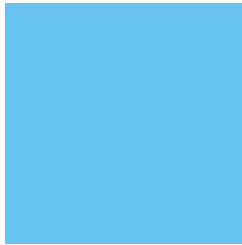
41, 70.780, 347.214



9, 31.797, 343.779

Previews

White Background



This preview shows how the CIELCh color 75, 33.828, 244.505 looks on a white background.

Color Contrast Check

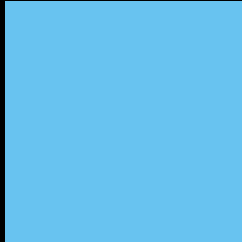
Large Text (above 18pt) WCAG AA × Fail

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, 33.828, 244.505 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

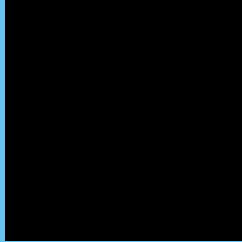
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

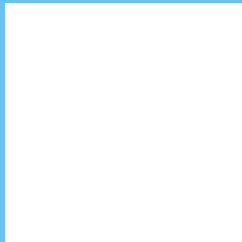
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 33.828, 244.505

Background



This preview shows how black text looks on a background with the CIELCh color 75, 33.828, 244.505.

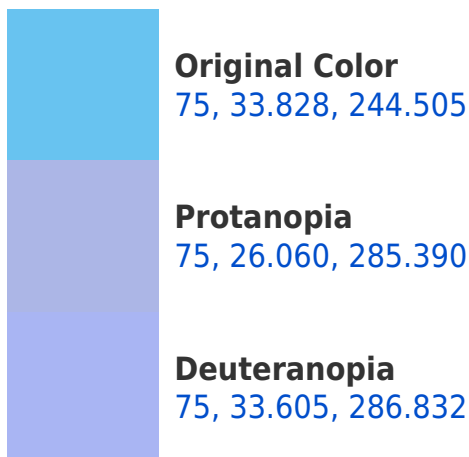


This preview shows how white text looks on a background with the CIELCh color 75, 33.828, 244.505.

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, 30.973, 213.715

Trichromacy



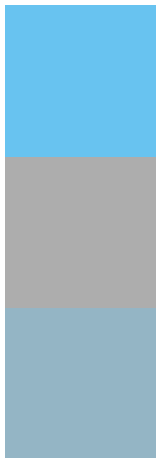
Original Color
75, 33.828, 244.505

Protanomaly
75, 27.749, 266.013

Deuteranomaly
75, 32.148, 270.357

Tritanomaly
75, 30.942, 224.850

Monochromacy



Original Color
75, 33.828, 244.505

Achromatopsia
71, 0.009, 296.813

Achromatomaly
72, 13.994, 237.449

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 33.828, 244.505 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(104, 195, 240)` looks like.

```
.text, #text, p{  
    color:rgb(104, 195, 240)  
}
```

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(104, 195, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 195, 240) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 33.828, 244.505 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(104, 195, 240) }
```

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

```
.border{ border-color:rgb(104, 195, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 195, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 195, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 195, 240);  
box-shadow:4px 4px 4px 4px rgb(104, 195,  
240) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 33.828, 244.505 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 195, 240) }
```

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

```
.background{ background-color: rgb(104,  
195, 240) }
```

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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