

Converting Colors

CIELCh(75, 38.538, 243.648)

Have a look what the booklet for
CIELCh(75, 38.538, 243.648)
contains.

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Color

CIELCh(75, 38.405, 243.047)

Conversions

Conversions Part 1

Format	Color
Hex	51C5F7
RGB	81, 197, 247
RGB Percent	32%, 77%, 97%
CMY	0.6834, 0.2283, 0.0322
CMYK	0.67, 0.20, 0.00, 0.03
HSL	198°, 91%, 64%
HSV	198°, 67%, 97%
XYZ	40.0447, 48.2781, 95.0290
YIQ	168.0160, -85.1860, -9.0420

Conversions

Conversions Part 2

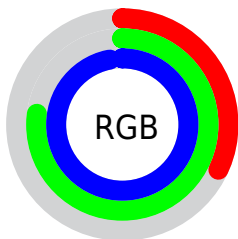
Format	Color
R _Y B	81, 149, 247
Decimal	5359095
CIE Lab	75.00, -17.41, -34.23
CIE LCh	75, 38.405, 243.047
Yxy	48.2781, 0.2184, 0.2633
Android (android.graphics.Color)	4283549175 (0xFF51C5F7)
YUV	168.0160, 38.9391, -76.3130
Hunter-Lab	69.4824, -18.7197, -32.4514

Details

The CIELCh color **75, 38.405, 243.047** 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 **67, 61.513, 48.894**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 32.526, 198.334**, and **55, 36.584, 245.800** is the 20% darker color. If you saturate the color by 10%, you get **72, 41.904, 246.670**, and if you desaturate by 10%, it is **78, 34.283, 240.089**.

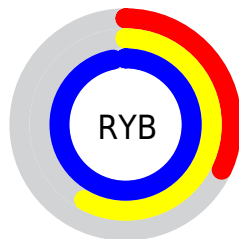
Distribution



Red (32%)

Green (77%)

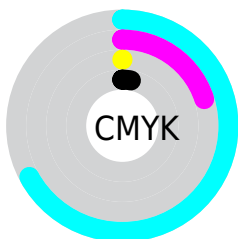
Blue (97%)



Red (32%)

Yellow (58%)

Blue (97%)

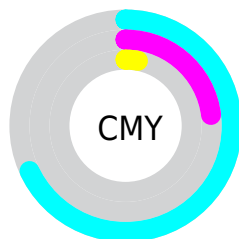


Cyan (67%)

Magenta (20%)

Yellow (0%)

Black (3%)



Cyan (68%)


Magenta (23%)


Yellow (3%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 75, 38.405, 243.047 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, 38.405, 243.047 by changing the saturation by 10% instead.


 75, 38.405,
243.047


 75, 38.405,
243.047


 100, 38.405,
243.047


 65, 38.405,
243.047


 95, 38.405,
243.047

 55, 38.405,
243.047

 45, 38.405,
243.047

 35, 38.405,
243.047

 25, 38.405,
243.047

 15, 38.405,
243.047

 5, 38.405, 243.047

■ 0, 38.405, 243.047

■ 75, 38.405,
243.047

■ 75, 38.405,
243.047

■ 72, 41.904,
246.670

■ 78, 34.283,
240.089

■ 70, 44.884,
250.994

■ 81, 29.518,
237.716

■ 67, 47.539,
255.950

■ 84, 24.143,
235.833

■ 67, 48.268,
257.318

■ 87, 18.228,
234.351

■ 91, 11.855,
233.197

■ 95, 5.108, 232.343

98, 1.933, 51.200

100, 4.155,
109.849

Harmonies

Complementary

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



75, 38.405, 243.047



67, 61.513, 48.894

Rectangle

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



75, 38.405, 243.047



75, 38.405, 293.047



75, 38.405, 63.047



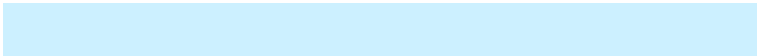
75, 38.405, 113.047

Sweetspot

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



75, 38.404, 243.047



93, 13.992, 233.485



87, 79.706, 146.902



48, 9.477, 233.803



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, 38.404, 243.047



73, 44.189, 248.255



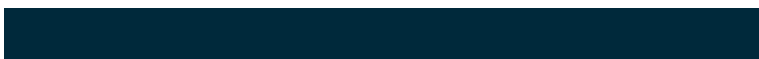
52, 76.463, 293.514



49, 3.941, 232.500



51, 38.730, 256.343



15, 16.273, 248.584

Inverse Universe

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



61, 78.430, 340.118



59, 88.927, 341.968



86, 67.273, 92.190



48, 7.093, 334.949



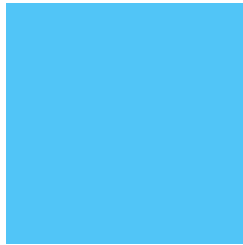
41, 72.812, 344.974



10, 33.237, 342.134

Previews

White Background



This preview shows how the CIELCh color 75, 38.405, 243.047 looks on a white background.

Color Contrast Check

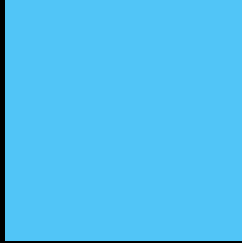
Large Text (above 18pt) WCAG AA × Fail

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, 38.405, 243.047 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

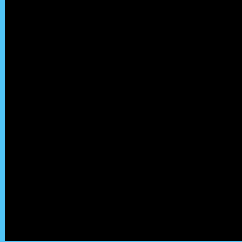
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

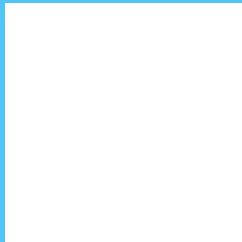
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 75, 38.405, 243.047

Background



This preview shows how black text looks on a background with the CIELCh color 75, 38.405, 243.047.

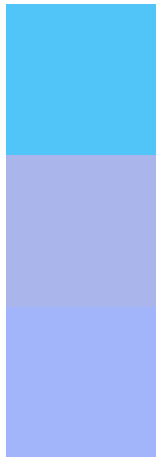


This preview shows how white text looks on a background with the CIELCh color 75, 38.405, 243.047.

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

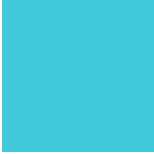
75, 38.405, 243.047

Protanopia

74, 29.347, 285.360

Deuteranopia

75, 37.499, 285.199



Tritanopia
75, 36.311, 210.896

Trichromacy



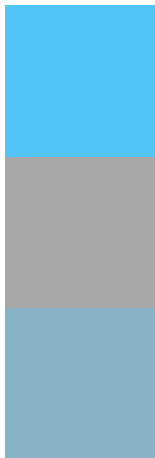
Original Color
75, 38.405, 243.047

Protanomaly
74, 31.176, 264.129

Deuteranomaly
74, 36.180, 267.804

Tritanomaly
75, 35.799, 222.540

Monochromacy



Original Color
75, 38.405, 243.047

Achromatopsia
69, 0.009, 296.813

Achromatomaly
70, 17.091, 236.241

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 38.405, 243.047 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(81, 197, 247)` looks like.

```
.text, #text, p{  
    color:rgb(81, 197, 247)  
}
```

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(81, 197, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 197, 247) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 38.405, 243.047 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(81, 197, 247) }
```

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

```
.border{ border-color:rgb(81, 197, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 197, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 197, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 197, 247);  
box-shadow:4px 4px 4px 4px rgb(81, 197,  
247) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 38.405, 243.047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 197, 247) }
```

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

```
.background{ background-color: rgb(81, 197,  
247) }
```

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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