

Converting Colors

CIELCh(78, 37.768, 242.319)

Have a look what the booklet for
CIELCh(78, 37.768, 242.319)
contains.

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Color

CIELCh(78, 37.804, 242.378)

Conversions

Conversions Part 1

Format	Color
Hex	5DCDFE
RGB	93, 205, 254
RGB Percent	36%, 80%, 100%
CMY	0.6347, 0.1956, 0.0035
CMYK	0.63, 0.19, 0.00, 0.00
HSL	198°, 99%, 68%
HSV	198°, 63%, 100%
XYZ	44.2926, 53.2120, 101.7979
YIQ	177.0980, -82.4810, -8.5050

Conversions

Conversions Part 2

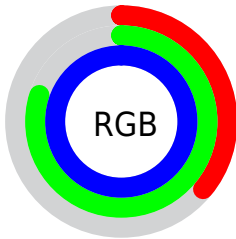
Format	Color
R_{YB}	93, 159, 254
Decimal	6147582
CIE _{Lab}	78.00, -17.53, -33.50
CIE _{LCh}	78, 37.804, 242.378
Yxy	53.2120, 0.2222, 0.2670
Android (android.graphics.Color)	4284337662 (0xFF5DCDFE)
YUV	177.0980, 37.9127, -73.7539
Hunter-Lab	72.9466, -19.2726, -31.6774

Details

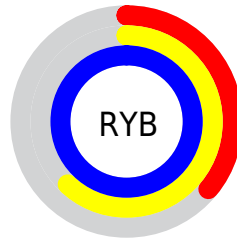
The CIELCh color **78, 37.804, 242.378** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **70, 58.497, 49.217**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 30.155, 197.561**, and **58, 37.083, 243.005** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.662, 245.770**, and if you desaturate by 10%, it is **81, 33.299, 239.626**.

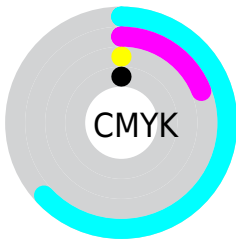
Distribution



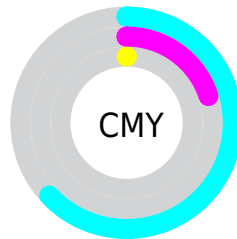
- Red (36%)
- Green (80%)
- Blue (100%)



- Red (36%)
- Yellow (62%)
- Blue (100%)



- Cyan (63%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (63%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 37.804, 242.378 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 78, 37.804, 242.378 by changing the saturation by 10% instead.


 78, 37.804,
242.378


 78, 37.804,
242.378


 100, 37.804,
242.378


 68, 37.804,
242.378


 98, 37.804,
242.378

 58, 37.804,
242.378

 48, 37.804,
242.378

 38, 37.804,
242.378

 28, 37.804,
242.378

 18, 37.804,
242.378

 8, 37.804, 242.378

0, 37.804, 242.378

78, 37.804,
242.378

78, 37.804,
242.378

75, 41.662,
245.770

81, 33.299,
239.626

72, 44.950,
249.860

84, 28.151,
237.426

70, 47.827,
254.626

88, 22.409,
235.685

68, 49.667,
258.030

91, 16.150,
234.318

95, 9.460, 233.260

98, 2.424, 232.593

100, 0.437,

Harmonies

Complementary

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



78, 37.804, 242.378



70, 58.497, 49.217

Rectangle

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



78, 37.804, 242.378



78, 37.804, 292.378



78, 37.804, 62.378



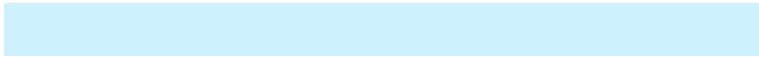
78, 37.804, 112.378

Sweetspot

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



78, 37.803, 242.378



93, 13.327, 233.823



89, 77.619, 147.528



49, 9.106, 234.143



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



78, 37.803, 242.378



75, 42.702, 246.792



56, 73.237, 292.413



51, 4.075, 232.933



52, 39.767, 257.070



16, 17.335, 250.008

Inverse Universe

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



64, 76.786, 339.846



60, 86.286, 341.439



89, 65.393, 92.681



50, 7.317, 335.090



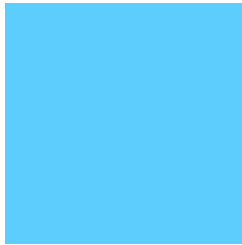
42, 74.108, 345.266



11, 34.922, 342.623

Previews

White Background



This preview shows how the CIELCh color 78, 37.804, 242.378 looks on a white background.

Color Contrast Check

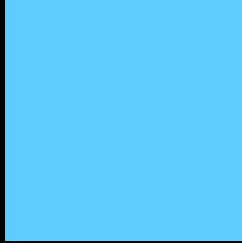
Large Text (above 18pt) WCAG AA × Fail

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 78, 37.804, 242.378 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

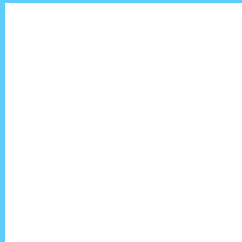
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 37.804, 242.378

Background



This preview shows how black text looks on a background with the CIELCh color 78, 37.804, 242.378.

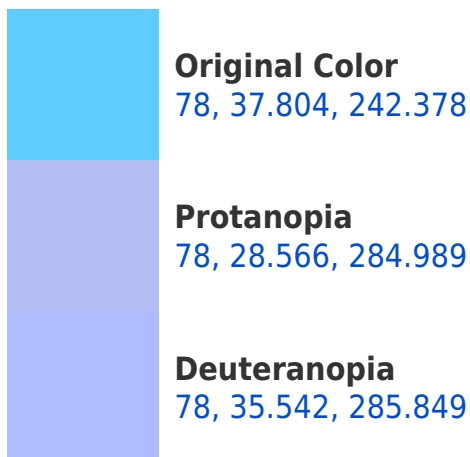


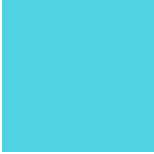
This preview shows how white text looks on a background with the CIELCh color 78, 37.804, 242.378.

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
78, 35.568, 212.105

Trichromacy



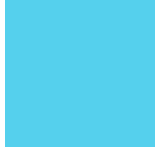
Original Color
78, 37.804, 242.378



Protanomaly
77, 30.784, 264.706



Deuteranomaly
77, 34.672, 268.034



Tritanomaly
78, 35.264, 223.818

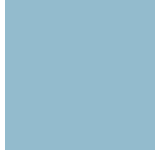
Monochromacy



Original Color
78, 37.804, 242.378



Achromatopsia
72, 0.009, 296.813



Achromatomaly
74, 16.246, 235.719

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 37.804, 242.378 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(93, 205, 254)` looks like.

```
.text, #text, p{  
    color:rgb(93, 205, 254)  
}
```

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(93, 205, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 205, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 37.804, 242.378 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(93, 205, 254) }
```

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

```
.border{ border-color:rgb(93, 205, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 205, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 205, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 205, 254);  
box-shadow:4px 4px 4px 4px rgb(93, 205,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 37.804, 242.378 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 205, 254) }
```

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

```
.background{ background-color: rgb(93, 205,  
254) }
```

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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