

Converting Colors

CIELCh(78, 38.240, 245.013)

Have a look what the booklet for
CIELCh(78, 38.240, 245.013)
contains.

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Color

CIELCh(78, 37.728, 243.683)

Conversions

Conversions Part 1

Format	Color
Hex	60CDFF
RGB	96, 205, 255
RGB Percent	38%, 80%, 100%
CMY	0.6247, 0.1971, 0.0011
CMYK	0.62, 0.20, 0.00, 0.00
HSL	199°, 100%, 69%
HSV	199°, 62%, 100%
XYZ	44.5678, 53.2120, 102.3021
YIQ	178.1090, -81.0140, -7.5580

Conversions

Conversions Part 2

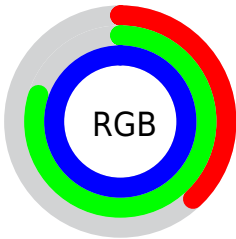
Format	Color
R _Y B	96, 161, 255
Decimal	6344191
CIE Lab	78.00, -16.73, -33.82
CIE LCh	78, 37.728, 243.683
Yxy	53.2120, 0.2227, 0.2660
Android (android.graphics.Color)	4284534271 (0xFF60CDFF)
YUV	178.1090, 37.9073, -72.0096
Hunter-Lab	72.9466, -18.5993, -32.0872

Details

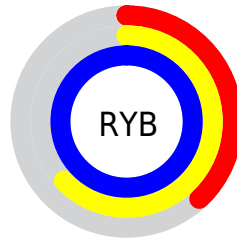
The CIELCh color **78, 37.728, 243.683** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **71, 57.369, 50.096**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.647, 197.591**, and **58, 37.365, 243.843** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.769, 247.088**, and if you desaturate by 10%, it is **81, 33.066, 240.914**.

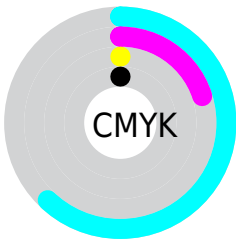
Distribution



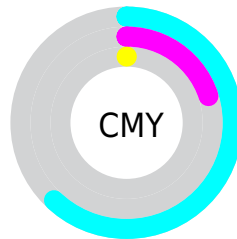
- Red (38%)
- Green (80%)
- Blue (100%)



- Red (38%)
- Yellow (63%)
- Blue (100%)



- Cyan (62%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)




- Cyan (62%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 37.728, 243.683 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, 37.728, 243.683 by changing the saturation by 10% instead.


 78, 37.728,
243.683

 78, 37.728,
243.683


 100, 37.728,
243.683


 68, 37.728,
243.683

 98, 37.728,
243.683

 58, 37.728,
243.683

 48, 37.728,
243.683

 38, 37.728,
243.683

 28, 37.728,
243.683

 18, 37.728,
243.683

 8, 37.728, 243.683

■ 0, 37.728, 243.683

■ 78, 37.728,
243.683

■ 78, 37.728,
243.683

■ 75, 41.769,
247.088

■ 81, 33.066,
240.914

■ 72, 45.260,
251.185

■ 84, 27.787,
238.694

■ 70, 48.358,
255.953

■ 88, 21.939,
236.930

■ 68, 50.619,
259.848

■ 92, 15.598,
235.540

■ 95, 8.847, 234.460

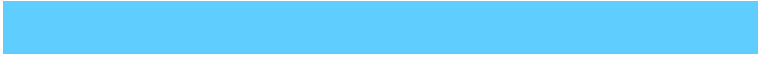
■ 99, 1.767, 233.854

100, 0.125,

Harmonies

Complementary

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



78, 37.728, 243.683



71, 57.369, 50.096

Rectangle

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



78, 37.728, 243.683



78, 37.728, 293.683



78, 37.728, 63.683



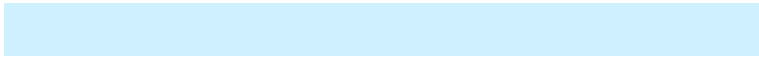
78, 37.728, 113.683

Sweetspot

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



78, 37.727, 243.683



93, 13.335, 235.137



90, 76.817, 147.672



48, 9.114, 235.471



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, 37.727, 243.683



74, 42.749, 248.076



57, 72.205, 292.157



51, 4.075, 234.202



52, 40.425, 258.876



16, 17.540, 251.743

Inverse Universe

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



65, 75.638, 340.252



61, 85.186, 341.867



89, 64.682, 92.798



50, 7.266, 335.502



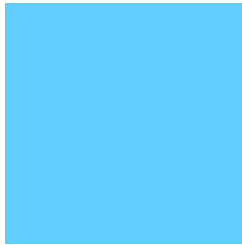
42, 73.653, 346.012



11, 34.717, 343.236

Previews

White Background



This preview shows how the CIE LCh color 78, 37.728, 243.683 looks on a white background.

Color Contrast Check

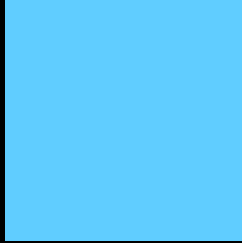
Large Text (above 18pt) WCAG AA × Fail

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, 37.728, 243.683 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

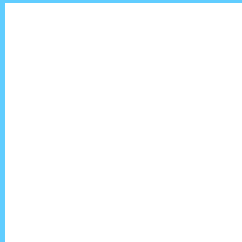
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 37.728, 243.683

Background



This preview shows how black text looks on a background with the CIELCh color 78, 37.728, 243.683.



This preview shows how white text looks on a background with the CIELCh color 78, 37.728, 243.683.

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, 35.263, 212.257

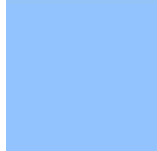
Trichromacy



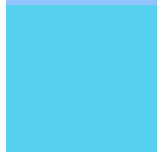
Original Color
78, 37.728, 243.683



Protanomaly
77, 31.128, 265.726

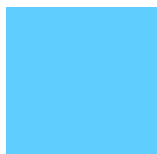


Deuteranomaly
77, 34.576, 268.437

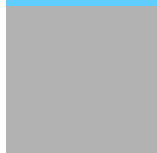


Tritanomaly
78, 34.972, 224.073

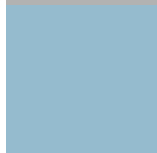
Monochromacy



Original Color
78, 37.728, 243.683



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 16.237, 235.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 37.728, 243.683 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(96, 205, 255)` looks like.

```
.text, #text, p{  
    color:rgb(96, 205, 255)  
}
```

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(96, 205, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 205, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 37.728, 243.683 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(96, 205, 255) }
```

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

```
.border{ border-color:rgb(96, 205, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(96, 205, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 205, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 205, 255);  
box-shadow:4px 4px 4px 4px rgb(96, 205,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 37.728, 243.683 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 205, 255) }
```

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

```
.background{ background-color: rgb(96, 205,  
255) }
```

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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