

Converting Colors

CIELCh(80, 54.961, 269.001)

Have a look what the booklet for
CIELCh(80, 54.961, 269.001)
contains.

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Color

CIELCh(78, 37.040, 246.129)

Conversions

Conversions Part 1

Format	Color
Hex	67CCFF
RGB	103, 204, 255
RGB Percent	40%, 80%, 100%
CMY	0.5966, 0.2005, 0.0005
CMYK	0.60, 0.20, 0.00, 0.00
HSL	200°, 100%, 70%
HSV	200°, 60%, 100%
XYZ	45.1683, 53.2120, 102.3865
YIQ	179.6150, -76.5670, -5.5510

Conversions

Conversions Part 2

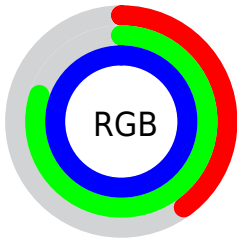
Format	Color
RYB	103, 164, 255
Decimal	6802687
CIELab	78.00, -14.99, -33.87
CIELCh	78, 37.040, 246.129
Yxy	53.2120, 0.2250, 0.2650
Android (android.graphics.Color)	4284992767 (0xFF67CCFF)
YUV	179.6150, 37.1648, -67.1914
Hunter-Lab	72.9466, -17.1298, -32.1558

Details

The CIELCh color **78, 37.040, 246.129** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **73, 53.930, 52.086**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 28.089, 197.686**, and **58, 36.990, 245.894** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.503, 249.486**, and if you desaturate by 10%, it is **81, 32.010, 243.389**.

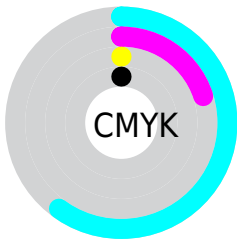
Distribution



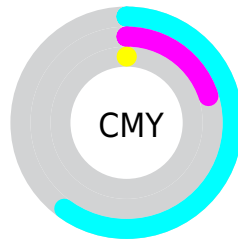
- Red (40%)
- Green (80%)
- Blue (100%)



- Red (40%)
- Yellow (64%)
- Blue (100%)



- Cyan (60%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 78, 37.040, 246.129 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, 37.040, 246.129 by changing the saturation by 10% instead.

■ 78, 37.040,
246.129

■ 78, 37.040,
246.129

■ 100, 37.040,
246.129

■ 68, 37.040,
246.129

■ 98, 37.040,
246.129

■ 58, 37.040,
246.129

■ 48, 37.040,
246.129

■ 38, 37.040,
246.129

■ 28, 37.040,
246.129

■ 18, 37.040,
246.129

■ 8, 37.040, 246.129

■ 0, 37.040, 246.129

■ 78, 37.040,
246.129

■ 78, 37.040,
246.129

■ 75, 41.503,
249.486

■ 81, 32.010,
243.389

■ 72, 45.458,
253.517

■ 85, 26.424,
241.180

■ 69, 49.043,
258.208

■ 89, 20.331,
239.415

■ 66, 52.498,
263.365

■ 92, 13.803,
238.011

■ 66, 52.626,
263.547

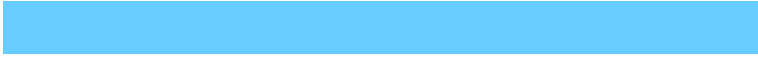
■ 96, 6.916, 236.921

100, 0.055,
108.766

Harmonies

Complementary

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



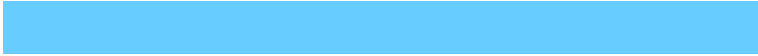
78, 37.040, 246.129



73, 53.930, 52.086

Rectangle

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



78, 37.040, 246.129



78, 37.040, 296.129



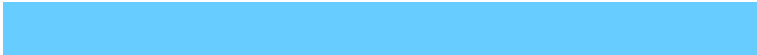
78, 37.040, 66.129



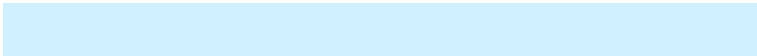
78, 37.040, 116.129

Sweetspot

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



78, 37.039, 246.129



93, 12.700, 237.812



90, 71.944, 149.372



49, 8.769, 238.172



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, 37.039, 246.129



74, 42.495, 250.376



58, 71.731, 293.051



51, 4.081, 236.908



51, 41.955, 262.569



16, 18.027, 255.336

Inverse Universe

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



66, 72.108, 341.024



61, 82.230, 342.653



91, 63.710, 95.367



50, 7.157, 336.400



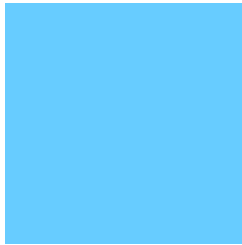
42, 72.729, 347.645



11, 34.296, 344.579

Previews

White Background



This preview shows how the CIELCh color 78, 37.040, 246.129 looks on a white background.

Color Contrast Check

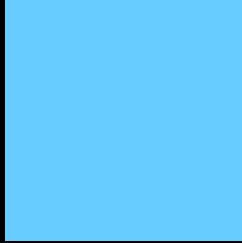
Large Text (above 18pt) WCAG AA × Fail

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, 37.040, 246.129 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

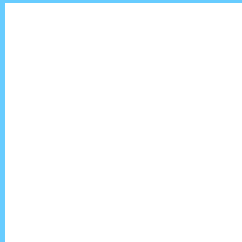
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 37.040, 246.129

Background



This preview shows how black text looks on a background with the CIELCh color 78, 37.040, 246.129.

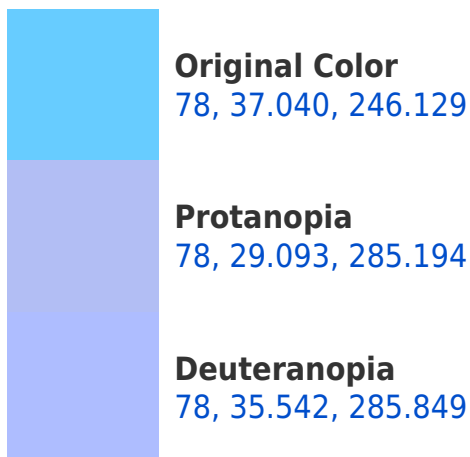



This preview shows how white text looks on a background with the CIELCh color 78, 37.040, 246.129.

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, 33.765, 213.044

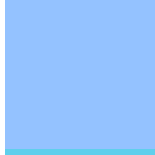
Trichromacy



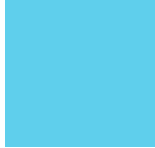
Original Color
78, 37.040, 246.129



Protanomaly
78, 30.807, 267.121



Deuteranomaly
77, 34.796, 270.158

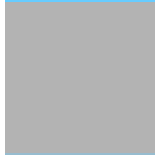


Tritanomaly
78, 33.559, 225.393

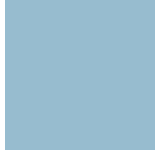
Monochromacy



Original Color
78, 37.040, 246.129



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 15.809, 239.489

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 37.040, 246.129 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(103, 204, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 204, 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(103, 204, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 204, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 37.040, 246.129 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(103, 204, 255) }
```

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

```
.border{ border-color:rgb(103, 204, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 204, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 204, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 204, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 204,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 37.040, 246.129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 204, 255) }
```

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

```
.background{ background-color: rgb(103,  
204, 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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