

Converting Colors

CIELCh(78, 36.596, 245.572)

Have a look what the booklet for
CIELCh(78, 36.596, 245.572)
contains.

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Color

CIELCh(78, 36.602, 245.623)

Conversions

Conversions Part 1

Format	Color
Hex	68CCFE
RGB	104, 204, 254
RGB Percent	41%, 80%, 100%
CMY	0.5927, 0.2005, 0.0044
CMYK	0.59, 0.20, 0.00, 0.00
HSL	200°, 99%, 70%
HSV	200°, 59%, 100%
XYZ	45.1274, 53.2120, 101.5538
YIQ	179.8000, -75.6500, -5.6500

Conversions

Conversions Part 2

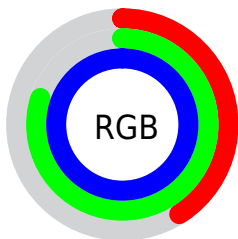
Format	Color
RYB	104, 164, 254
Decimal	6868222
CIELab	78.00, -15.11, -33.34
CIELCh	78, 36.602, 245.623
Yxy	53.2120, 0.2258, 0.2662
Android (android.graphics.Color)	4285058302 (0xFF68CCFE)
YUV	179.8000, 36.5806, -66.4766
Hunter-Lab	72.9466, -17.2298, -31.4790

Details

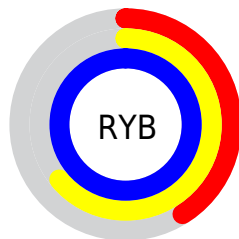
The CIELCh color **78, 36.602, 245.623** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **73, 53.192, 51.908**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **58, 36.520, 245.364** is the 20% darker color. If you saturate the color by 10%, you get **75, 41.056, 248.929**, and if you desaturate by 10%, it is **81, 31.576, 242.928**.

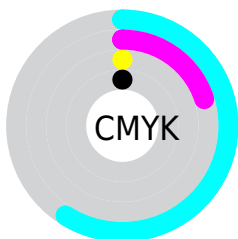
Distribution



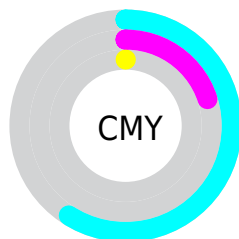
- Red (41%)
- Green (80%)
- Blue (100%)



- Red (41%)
- Yellow (64%)
- Blue (100%)



- Cyan (59%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (59%)
- Magenta (20%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 36.602, 245.623 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, 36.602, 245.623 by changing the saturation by 10% instead.


 78, 36.602,
245.623

 78, 36.602,
245.623


 100, 36.602,
245.623


 68, 36.602,
245.623


 98, 36.602,
245.623

 58, 36.602,
245.623

 48, 36.602,
245.623

 38, 36.602,
245.623

 28, 36.602,
245.623

 18, 36.602,
245.623

 8, 36.602, 245.623

■ 0, 36.602, 245.623

■ 78, 36.602,
245.623

■ 78, 36.602,
245.623

■ 75, 41.056,
248.929

■ 81, 31.576,
242.928

■ 72, 44.991,
252.908

■ 85, 25.993,
240.760

■ 69, 48.539,
257.554

■ 88, 19.903,
239.028

■ 66, 51.929,
262.699

■ 92, 13.380,
237.654

■ 66, 52.250,
263.164

■ 96, 6.501, 236.591

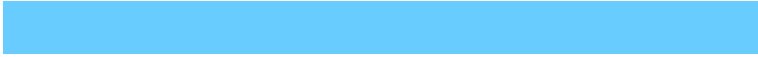
100, 0.399, 92.156

100, 0.558,

Harmonies

Complementary

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



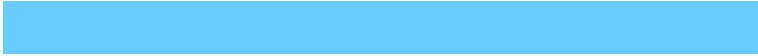
78, 36.602, 245.623



73, 53.192, 51.908

Rectangle

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



78, 36.602, 245.623



78, 36.602, 295.623



78, 36.602, 65.623



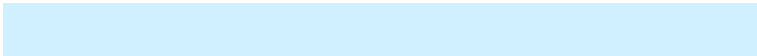
78, 36.602, 115.623

Sweetspot

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



78, 36.601, 245.623



93, 12.695, 237.524



90, 72.100, 148.817



49, 8.764, 237.882



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, 36.601, 245.623



75, 41.994, 249.644



58, 69.253, 292.083



51, 4.080, 236.629



51, 41.789, 262.198



16, 17.974, 254.972

Inverse Universe

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



66, 71.449, 340.843



62, 81.659, 342.383



90, 62.169, 94.346



50, 7.168, 336.306



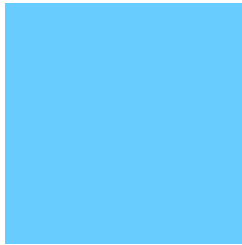
42, 72.821, 347.474



11, 34.338, 344.438

Previews

White Background



This preview shows how the CIELCh color 78, 36.602, 245.623 looks on a white background.

Color Contrast Check

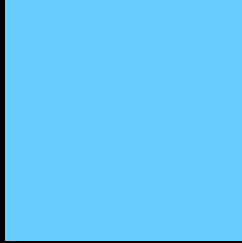
Large Text (above 18pt) WCAG AA × Fail

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, 36.602, 245.623 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

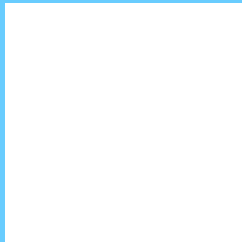
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 36.602, 245.623

Background



This preview shows how black text looks on a background with the CIELCh color 78, 36.602, 245.623.

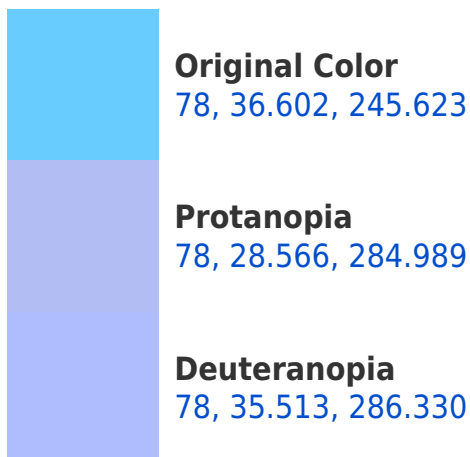


This preview shows how white text looks on a background with the CIELCh color 78, 36.602, 245.623.

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, 33.420, 213.232

Trichromacy



Original Color
78, 36.602, 245.623

Protanomaly
77, 30.342, 266.581

Deuteranomaly
77, 34.706, 270.572

Tritanomaly
78, 33.398, 225.548

Monochromacy



Original Color
78, 36.602, 245.623

Achromatopsia
73, 0.009, 296.813

Achromatomaly
75, 15.496, 237.793

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 36.602, 245.623 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, 204, 254)` looks like.

```
.text, #text, p{  
    color:rgb(104, 204, 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(104, 204, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 204, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 36.602, 245.623 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, 204, 254) }
```

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

```
.border{ border-color:rgb(104, 204, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 204, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 204, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 204, 254);  
box-shadow:4px 4px 4px 4px rgb(104, 204,  
254) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 36.602, 245.623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 204, 254) }
```

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

```
.background{ background-color: rgb(104,  
204, 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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