

Converting Colors

CIELCh(80, 51.048, 266.221)

Have a look what the booklet for
CIELCh(80, 51.048, 266.221)
contains.

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Color

CIELCh(78, 36.479, 245.783)

Conversions

Conversions Part 1

Format	Color
Hex	69CCFE
RGB	105, 204, 254
RGB Percent	41%, 80%, 100%
CMY	0.5897, 0.2008, 0.0049
CMYK	0.59, 0.20, 0.00, 0.00
HSL	200°, 98%, 70%
HSV	200°, 59%, 100%
XYZ	45.1773, 53.2120, 101.4445
YIQ	180.0990, -75.0540, -5.4380

Conversions

Conversions Part 2

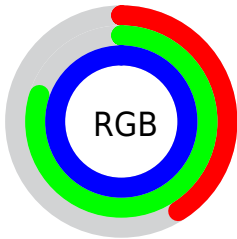
Format	Color
RYB	105, 164, 254
Decimal	6933758
CIELab	78.00, -14.96, -33.27
CIELCh	78, 36.479, 245.783
Yxy	53.2120, 0.2261, 0.2663
Android (android.graphics.Color)	4285123838 (0xFF69CCFE)
YUV	180.0990, 36.4332, -65.8618
Hunter-Lab	72.9466, -17.1078, -31.3902

Details

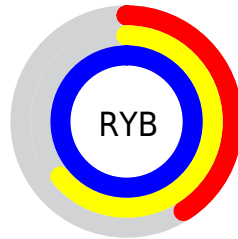
The CIELCh color **78, 36.479, 245.783** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **73, 52.795, 52.076**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **58, 36.378, 245.617** is the 20% darker color. If you saturate the color by 10%, you get **75, 40.969, 249.078**, and if you desaturate by 10%, it is **81, 31.421, 243.097**.

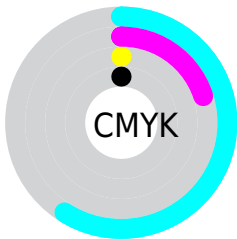
Distribution



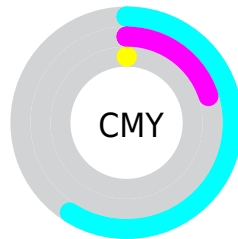
- Red (41%)
- Green (80%)
- Blue (100%)



- 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, 36.479, 245.783 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, 36.479, 245.783 by changing the saturation by 10% instead.


 78, 36.479,
245.783


 78, 36.479,
245.783


 100, 36.479,
245.783


 68, 36.479,
245.783


 98, 36.479,
245.783

 58, 36.479,
245.783

 48, 36.479,
245.783

 38, 36.479,
245.783

 28, 36.479,
245.783

 18, 36.479,
245.783

 8, 36.479, 245.783

■ 0, 36.479, 245.783

■ 78, 36.479,
245.783

■ 78, 36.479,
245.783

■ 75, 40.969,
249.078

■ 81, 31.421,
243.097

■ 72, 44.944,
253.044

■ 85, 25.811,
240.935

■ 69, 48.531,
257.676

■ 89, 19.701,
239.207

■ 66, 51.956,
262.818

■ 92, 13.163,
237.836

■ 66, 52.393,
263.448

■ 96, 6.273, 236.776

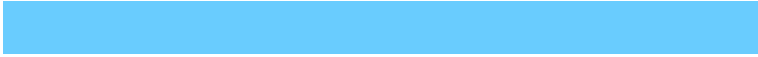
100, 0.526,
102.390

100, 0.623,
110.007

Harmonies

Complementary

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



78, 36.479, 245.783



73, 52.795, 52.076

Rectangle

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



78, 36.479, 245.783



78, 36.479, 295.783



78, 36.479, 65.783



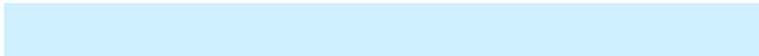
78, 36.479, 115.783

Sweetspot

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



78, 36.478, 245.783



93, 12.699, 237.745



90, 70.771, 149.509



49, 8.768, 238.104



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, 36.478, 245.783



74, 42.064, 249.913



58, 70.308, 292.816



51, 4.081, 236.843



51, 41.916, 262.483



16, 18.015, 255.252

Inverse Universe

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



66, 71.036, 340.892



62, 81.577, 342.479



91, 62.644, 95.473



50, 7.159, 336.378



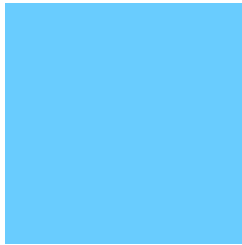
42, 72.750, 347.605



11, 34.305, 344.546

Previews

White Background



This preview shows how the CIE LCh color 78, 36.479, 245.783 looks on a white background.

Color Contrast Check

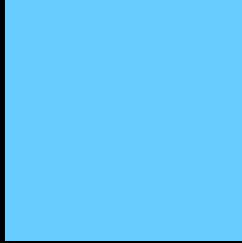
Large Text (above 18pt) WCAG AA × Fail

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, 36.479, 245.783 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

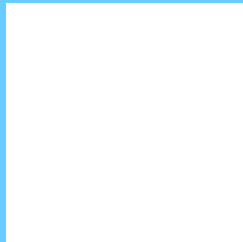
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 78, 36.479, 245.783

Background



This preview shows how black text looks on a background with the CIELCh color 78, 36.479, 245.783.

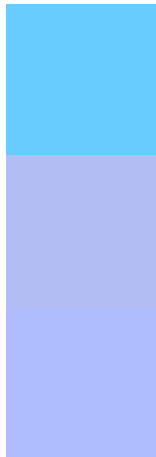


This preview shows how white text looks on a background with the CIELCh color 78, 36.479, 245.783.

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
78, 36.475, 245.847

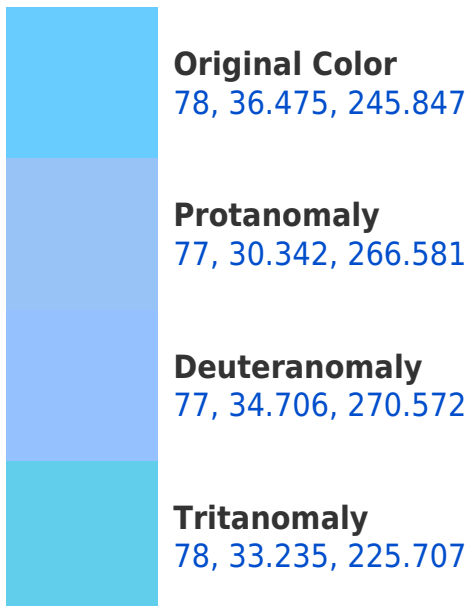
Protanopia
78, 28.566, 284.989

Deuteranopia
78, 35.513, 286.330

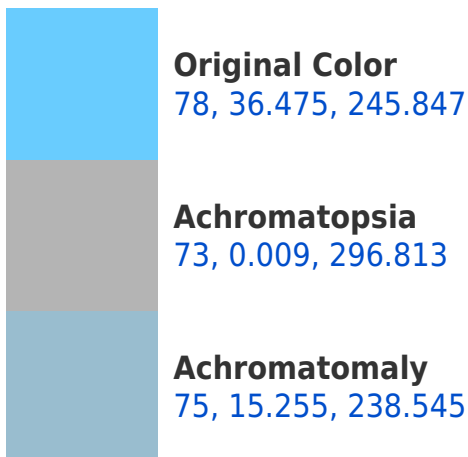


Tritanopia
78, 33.245, 213.329

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 36.479, 245.783 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(105, 204, 254)` looks like.

```
.text, #text, p{  
    color:rgb(105, 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(105, 204, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 204, 254) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 36.479, 245.783 is called "border". The border property can be set on classes, ids or directly on the HTML element.

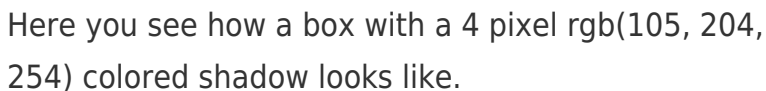
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(105, 204, 254) }
```

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

```
.border{ border-color:rgb(105, 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(105, 204, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(105, 204, 254); -webkit-box-shadow:4px 4px 4px 4px rgb(105, 204, 254); box-shadow:4px 4px 4px 4px rgb(105, 204, 254) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 36.479, 245.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 204, 254) }
```

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

```
.background{ background-color: rgb(105,  
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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