

Converting Colors

CIELCh(78, 39.642, 230.771)

Have a look what the booklet for
CIELCh(78, 39.642, 230.771)
contains.

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Color

CIELCh(78, 39.654, 231.453)

Conversions

Conversions Part 1

Format	Color
Hex	40D0F9
RGB	64, 208, 249
RGB Percent	25%, 82%, 98%
CMY	0.7508, 0.1830, 0.0222
CMYK	0.75, 0.16, 0.00, 0.02
HSL	193°, 94%, 61%
HSV	193°, 75%, 98%
XYZ	41.8756, 53.2120, 97.9709
YIQ	169.6180, -98.9850, -17.7770

Conversions

Conversions Part 2

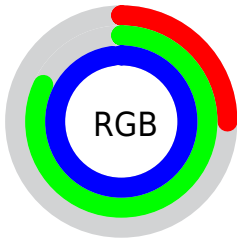
Format	Color
R _{YB}	64, 145, 249
Decimal	4247801
CIE Lab	78.00, -24.71, -31.01
CIE LCh	78, 39.654, 231.453
Yxy	53.2120, 0.2169, 0.2756
Android (android.graphics.Color)	4282437881 (0xFF40D0F9)
YUV	169.6180, 39.1353, -92.6270
Hunter-Lab	72.9466, -25.1869, -28.5669

Details

The CIELCh color **78, 39.654, 231.453** is a light color, and the websafe version is hex **33CCFF**. The color can be described as light washed cyan. A complement of this color would be **62, 72.913, 43.203**, and the grayscale version is **69, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 35.142, 197.260**, and **59, 35.559, 236.365** is the 20% darker color. If you saturate the color by 10%, you get **76, 41.793, 234.677**, and if you desaturate by 10%, it is **80, 36.699, 228.869**.

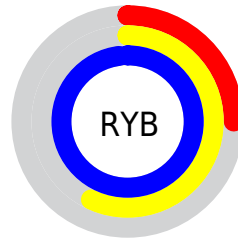
Distribution



Red (25%)

Green (82%)

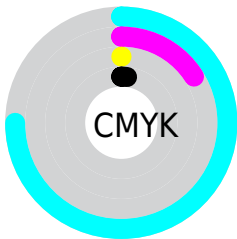
Blue (98%)



Red (25%)

Yellow (57%)

Blue (98%)

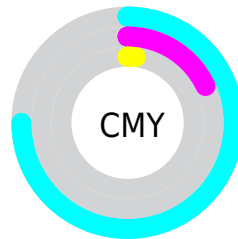


Cyan (75%)

Magenta (16%)

Yellow (0%)

Black (2%)



Cyan (75%)


Magenta (18%)


Yellow (2%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 78, 39.654, 231.453 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, 39.654, 231.453 by changing the saturation by 10% instead.


 78, 39.654,
231.453


 78, 39.654,
231.453


 100, 39.654,
231.453


 68, 39.654,
231.453


 98, 39.654,
231.453

 58, 39.654,
231.453

 48, 39.654,
231.453

 38, 39.654,
231.453

 28, 39.654,
231.453

 18, 39.654,
231.453

 8, 39.654, 231.453

■ 0, 39.654, 231.453

■ 78, 39.654,
231.453

■ 78, 39.654,
231.453

■ 76, 41.793,
234.677

■ 80, 36.699,
228.869

■ 74, 43.256,
238.583

■ 83, 32.890,
226.841

■ 73, 43.903,
240.938

■ 85, 28.256,
225.279

■ 88, 22.874,
224.095

■ 91, 16.845,
223.217

■ 94, 10.278,
222.590

■ 97, 3.278, 222.257

■ 99, 1.774, 78.540

■ 100, 2.855,
109.938

Harmonies

Complementary

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



78, 39.654, 231.453



62, 72.913, 43.203

Rectangle

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



78, 39.654, 231.453



78, 39.654, 281.453



78, 39.654, 51.453



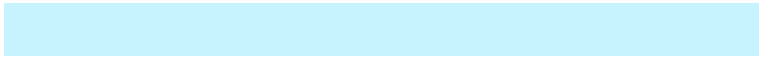
78, 39.654, 101.453

Sweetspot

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



78, 39.653, 231.453



93, 15.519, 223.039



87, 92.666, 142.887



49, 10.336, 223.234



0, 0.000, 0.000



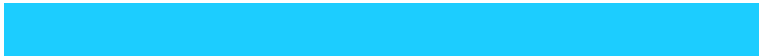
53, 0.007, 296.813

Same Dimension

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



78, 39.653, 231.453



77, 43.266, 236.386



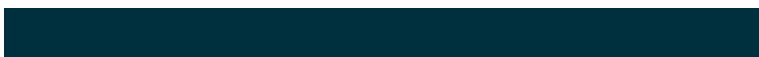
52, 76.776, 291.248



51, 4.086, 222.368



57, 35.503, 240.127



18, 15.804, 234.081

Inverse Universe

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



60, 88.581, 336.822



59, 96.330, 338.346



82, 70.151, 84.807



49, 7.640, 331.840



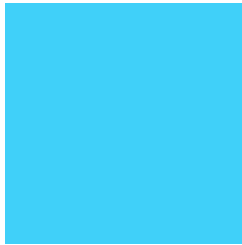
43, 77.704, 339.466



11, 35.886, 337.745

Previews

White Background



This preview shows how the CIE LCh color 78, 39.654, 231.453 looks on a white background.

Color Contrast Check

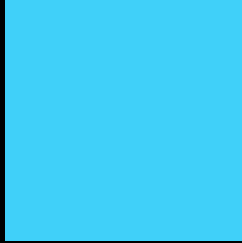
Large Text (above 18pt) WCAG AA × Fail

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, 39.654, 231.453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

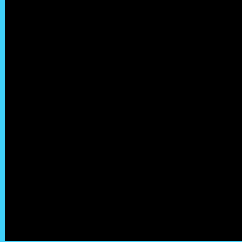
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 78, 39.654, 231.453

Background



This preview shows how black text looks on a background with the CIELCh color 78, 39.654, 231.453.



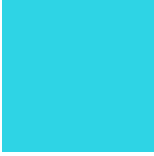
This preview shows how white text looks on a background with the CIELCh color 78, 39.654, 231.453.

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, 39.913, 210.165

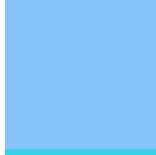
Trichromacy



Original Color
78, 39.560, 231.550



Protanomaly
77, 29.050, 255.557



Deuteranomaly
77, 34.356, 262.609

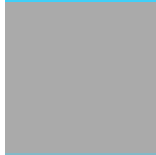


Tritanomaly
78, 39.336, 217.141

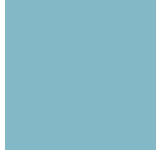
Monochromacy



Original Color
78, 39.560, 231.550



Achromatopsia
70, 0.009, 296.813



Achromatomaly
72, 18.917, 223.997

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 78, 39.654, 231.453 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(64, 208, 249)` looks like.

```
.text, #text, p{  
    color:rgb(64, 208, 249)  
}
```

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(64, 208, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 208, 249) }
```

Border

The CSS property to change the border of an element to CIELCh 78, 39.654, 231.453 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(64, 208, 249) }
```

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

```
.border{ border-color:rgb(64, 208, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 208, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 208, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 208, 249);  
box-shadow:4px 4px 4px 4px rgb(64, 208,  
249) }
```

Background

The CSS property to change the background color of an element to CIELCh 78, 39.654, 231.453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 208, 249) }
```

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

```
.background{ background-color: rgb(64, 208,  
249) }
```

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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