

Converting Colors

CIELCh(80, 34.586, 227.437)

Have a look what the booklet for
CIELCh(80, 34.586, 227.437)
contains.

CIELCh(80, 34.608, 227.391)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(80, 34.608, 227.391)

Conversions

Conversions Part 1

Format	Color
Hex	62D5F5
RGB	98, 213, 245
RGB Percent	38%, 84%, 96%
CMY	0.6164, 0.1653, 0.0398
CMYK	0.60, 0.13, 0.00, 0.04
HSL	193°, 88%, 67%
HSV	193°, 60%, 96%
XYZ	45.2311, 56.6813, 94.8181
YIQ	182.2630, -78.8120, -14.4280

Conversions

Conversions Part 2

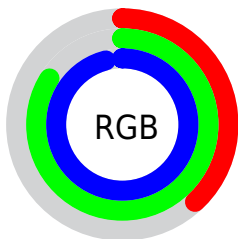
Format	Color
R _Y B	98, 163, 245
Decimal	6477301
CIE Lab	80.00, -23.43, -25.47
CIE LCh	80, 34.608, 227.391
Yxy	56.6813, 0.2299, 0.2881
Android (android.graphics.Color)	4284667381 (0xFF62D5F5)
YUV	182.2630, 30.9293, -73.8987
Hunter-Lab	75.2870, -24.5126, -21.9702

Details

The CIELCh color **80, 34.608, 227.391** is a light color, and the websafe version is hex **33CCFF**. A complement of this color would be **67, 55.400, 41.931**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 29.391, 197.607**, and **60, 34.640, 227.884** is the 20% darker color. If you saturate the color by 10%, you get **78, 37.883, 229.671**, and if you desaturate by 10%, it is **82, 30.489, 225.617**.

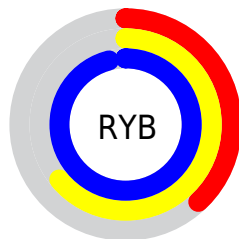
Distribution



Red (38%)

Green (84%)

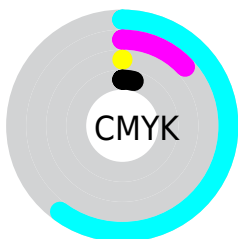
Blue (96%)



Red (38%)

Yellow (64%)

Blue (96%)

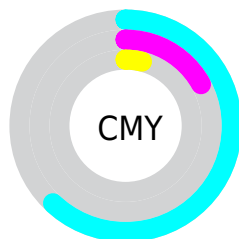


Cyan (60%)

Magenta (13%)

Yellow (0%)

Black (4%)



Cyan (62%)


Magenta (17%)


Yellow (4%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 80, 34.608, 227.391 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 80, 34.608, 227.391 by changing the saturation by 10% instead.


 80, 34.608,
227.391


 80, 34.608,
227.391


 100, 34.608,
227.391


 70, 34.608,
227.391


 60, 34.608,
227.391

 50, 34.608,
227.391

 40, 34.608,
227.391

 30, 34.608,
227.391

 20, 34.608,
227.391

 10, 34.608,

227.391

0, 34.608, 227.391

80, 34.608,
227.391

80, 34.608,
227.391

78, 37.883,
229.671

82, 30.489,
225.617

76, 40.322,
232.550

85, 25.583,
224.264

74, 42.011,
236.094

88, 19.979,
223.249

72, 43.187,
240.217

90, 13.783,
222.509

93, 7.102, 222.008

96, 0.037, 238.784

99, 3.176, 77.180

100, 5.138,
109.779

Harmonies

Complementary

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



80, 34.608, 227.391



67, 55.400, 41.931

Rectangle

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



80, 34.608, 227.391



80, 34.608, 277.391



80, 34.608, 47.391



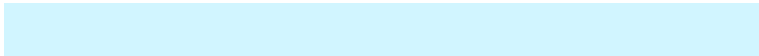
80, 34.608, 97.391

Sweetspot

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



80, 34.607, 227.390



94, 12.868, 222.390



87, 76.704, 145.167



49, 8.864, 222.566



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



80, 34.607, 227.390



80, 39.669, 230.226



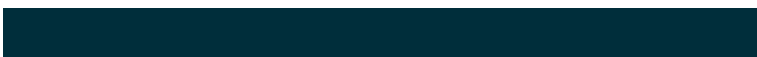
60, 59.713, 286.664



50, 4.023, 221.988



56, 35.060, 239.416



17, 15.349, 233.155

Inverse Universe

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



64, 75.728, 335.406



62, 88.630, 336.448



83, 57.035, 87.006



48, 7.528, 331.726



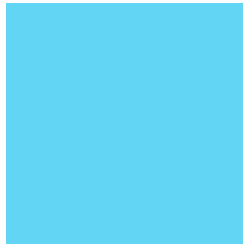
42, 77.106, 339.257



10, 35.020, 337.492

Previews

White Background



This preview shows how the CIE LCh color 80, 34.608, 227.391 looks on a white background.

Color Contrast Check

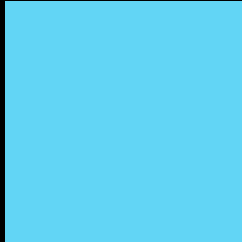
Large Text (above 18pt) WCAG AA × Fail

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 80, 34.608, 227.391 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 80, 34.608, 227.391

Background



This preview shows how black text looks on a background with the CIELCh color 80, 34.608, 227.391.

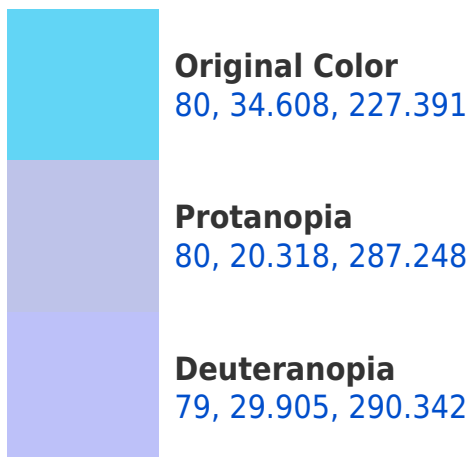


This preview shows how white text looks on a background with the CIELCh color 80, 34.608, 227.391.

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](#).

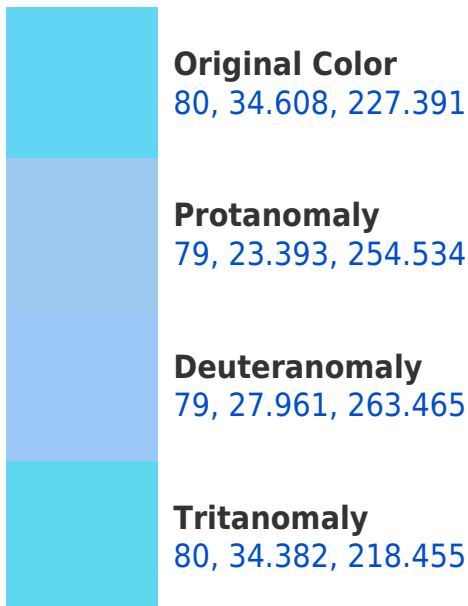
Dichromacy



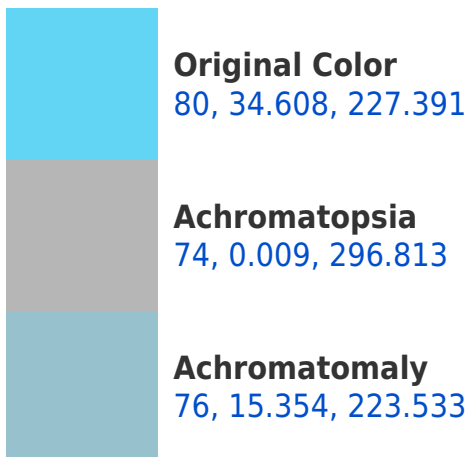


Tritanopia
80, 34.614, 212.548

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 80, 34.608, 227.391 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(98, 213, 245)` looks like.

```
.text, #text, p{  
    color:rgb(98, 213, 245)  
}
```

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(98, 213, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 213, 245) }
```

Border

The CSS property to change the border of an element to CIELCh 80, 34.608, 227.391 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(98, 213, 245) }
```

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

```
.border{ border-color:rgb(98, 213, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 213, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 213, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 213, 245);  
box-shadow:4px 4px 4px 4px rgb(98, 213,  
245) }
```

Background

The CSS property to change the background color of an element to CIELCh 80, 34.608, 227.391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 213, 245) }
```

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

```
.background{ background-color: rgb(98, 213,  
245) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor