

Converting Colors

CIELCh(76, 33.225, 238.335)

Have a look what the booklet for
CIELCh(76, 33.225, 238.335)
contains.

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Color

CIELCh(76, 33.299, 238.646)

Conversions

Conversions Part 1

Format	Color
Hex	66C7EF
RGB	102, 199, 239
RGB Percent	40%, 78%, 94%
CMY	0.6001, 0.2197, 0.0629
CMYK	0.57, 0.17, 0.00, 0.06
HSL	198°, 81%, 67%
HSV	198°, 57%, 94%
XYZ	41.4687, 49.8872, 89.0824
YIQ	174.5570, -70.6520, -8.1240

Conversions

Conversions Part 2

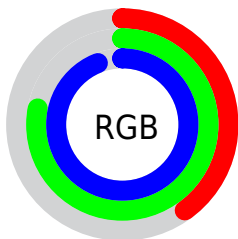
Format	Color
RYB	102, 159, 239
Decimal	6735855
CIELab	76.00, -17.33, -28.44
CIELCh	76, 33.299, 238.646
Yxy	49.8872, 0.2298, 0.2765
Android (android.graphics.Color)	4284925935 (0xFF66C7EF)
YUV	174.5570, 31.7704, -63.6325
Hunter-Lab	70.6309, -18.8034, -25.3372

Details

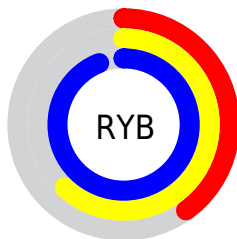
The CIELCh color **76, 33.299, 238.646** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **68, 49.527, 48.183**, and the grayscale version is **71, 0.009, 296.813**.

A 20% lighter version of the original color is **94, 28.874, 197.638**, and **56, 33.304, 238.837** is the 20% darker color. If you saturate the color by 10%, you get **73, 37.235, 241.520**, and if you desaturate by 10%, it is **79, 28.712, 236.346**.

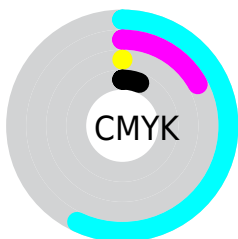
Distribution



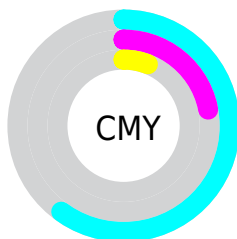
- Red (40%)
- Green (78%)
- Blue (94%)



- Red (40%)
- Yellow (62%)
- Blue (94%)



- Cyan (57%)
- Magenta (17%)
- Yellow (0%)
- Black (6%)



- Cyan (60%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 76, 33.299, 238.646 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 76, 33.299, 238.646 by changing the saturation by 10% instead.

■ 76, 33.299,
238.646

■ 76, 33.299,
238.646

■ 100, 33.299,
238.646

■ 66, 33.299,
238.646

■ 96, 33.299,
238.646

■ 56, 33.299,
238.646

■ 46, 33.299,
238.646

■ 36, 33.299,
238.646

■ 26, 33.299,
238.646

■ 16, 33.299,
238.646

■ 6, 33.299, 238.646

0, 33.299, 238.646

76, 33.299,
238.646

76, 33.299,
238.646

73, 37.235,
241.520

79, 28.712,
236.346

71, 40.540,
245.055

82, 23.515,
234.528

68, 43.309,
249.292

85, 17.777,
233.104

66, 45.728,
254.172

88, 11.580,
232.000

65, 46.380,
255.499

92, 5.010, 231.191

95, 1.855, 50.079

98, 5.159, 79.930

100, 8.008,
109.034

100, 8.113,
109.561

Harmonies

Complementary

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



76, 33.299, 238.646



68, 49.527, 48.183

Rectangle

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



76, 33.299, 238.646



76, 33.299, 288.646



76, 33.299, 58.646



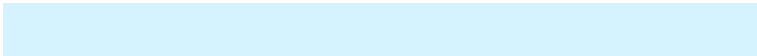
76, 33.299, 108.646

Sweetspot

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



76, 33.298, 238.645



94, 11.983, 231.974



85, 68.667, 147.869



49, 7.975, 232.172



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



76, 33.298, 238.645



77, 39.824, 242.144



58, 61.011, 289.818



48, 3.876, 231.335



51, 37.780, 254.576



14, 15.628, 246.514

Inverse Universe

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



63, 68.191, 338.560



63, 82.298, 339.858



85, 56.133, 92.326



47, 7.017, 334.577



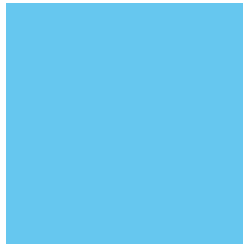
41, 72.504, 344.286



9, 32.528, 341.446

Previews

White Background



This preview shows how the CIELCh color 76, 33.299, 238.646 looks on a white background.

Color Contrast Check

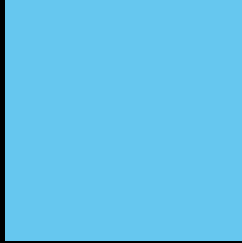
Large Text (above 18pt) WCAG AA × Fail

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 76, 33.299, 238.646 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

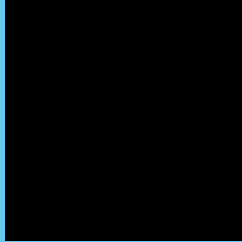
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 76, 33.299, 238.646

Background



This preview shows how black text looks on a background with the CIELCh color 76, 33.299, 238.646.

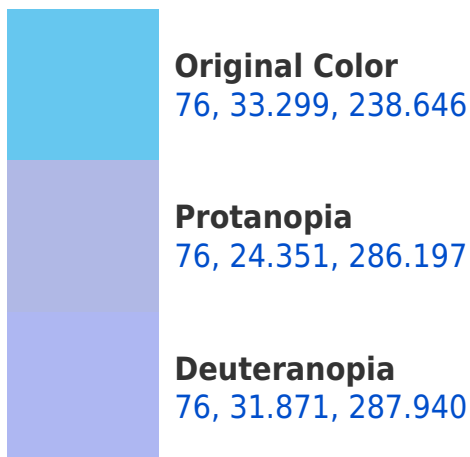


This preview shows how white text looks on a background with the CIELCh color 76, 33.299, 238.646.

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



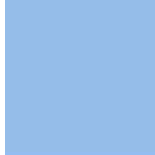


Tritanopia
76, 31.638, 214.337

Trichromacy



Original Color
76, 33.299, 238.646



Protanomaly
75, 26.325, 264.042



Deuteranomaly
75, 30.162, 268.253



Tritanomaly
76, 31.567, 223.042

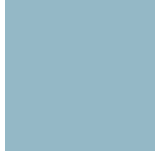
Monochromacy



Original Color
76, 33.299, 238.646



Achromatopsia
71, 0.009, 296.813



Achromatomaly
73, 14.199, 231.194

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 76, 33.299, 238.646 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(102, 199, 239)` looks like.

```
.text, #text, p{  
    color:rgb(102, 199, 239)  
}
```

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(102, 199, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 199, 239) }
```

Border

The CSS property to change the border of an element to CIELCh 76, 33.299, 238.646 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(102, 199, 239) }
```

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

```
.border{ border-color:rgb(102, 199, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 199, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 199, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 199, 239);  
box-shadow:4px 4px 4px 4px rgb(102, 199,  
239) }
```

Background

The CSS property to change the background color of an element to CIELCh 76, 33.299, 238.646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 199, 239) }
```

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

```
.background{ background-color: rgb(102,  
199, 239) }
```

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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