

Converting Colors

CIELCh(77, 33.275, 246.764)

Have a look what the booklet for
CIELCh(77, 33.275, 246.764)
contains.

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Color

CIELCh(77, 33.298, 246.610)

Conversions

Conversions Part 1

Format	Color
Hex	73C8F6
RGB	115, 200, 246
RGB Percent	45%, 78%, 96%
CMY	0.5495, 0.2162, 0.0358
CMYK	0.53, 0.19, 0.00, 0.04
HSL	201°, 88%, 71%
HSV	201°, 53%, 96%
XYZ	44.2920, 51.5317, 94.6962
YIQ	179.8290, -65.4260, -3.7140

Conversions

Conversions Part 2

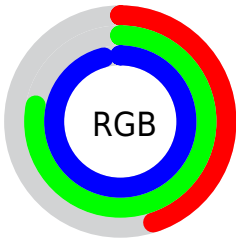
Format	Color
R _Y B	115, 167, 246
Decimal	7588086
CIE Lab	77.00, -13.22, -30.56
CIE LCh	77, 33.298, 246.610
Yxy	51.5317, 0.2325, 0.2705
Android (android.graphics.Color)	4285778166 (0xFF73C8F6)
YUV	179.8290, 32.6223, -56.8550
Hunter-Lab	71.7856, -15.4898, -27.9626

Details

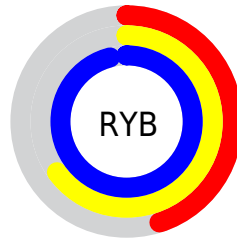
The CIELCh color **77, 33.298, 246.610** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **74, 45.580, 53.886**, and the grayscale version is **73, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 25.662, 197.835**, and **57, 33.494, 247.070** is the 20% darker color. If you saturate the color by 10%, you get **74, 38.152, 249.637**, and if you desaturate by 10%, it is **80, 27.934, 244.144**.

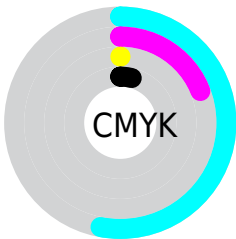
Distribution



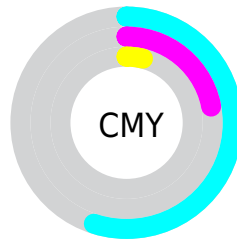
- Red (45%)
- Green (78%)
- Blue (96%)



- Red (45%)
- Yellow (65%)
- Blue (96%)



- Cyan (53%)
- Magenta (19%)
- Yellow (0%)
- Black (4%)



- Cyan (55%)
- Magenta (22%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 33.298, 246.610 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 77, 33.298, 246.610 by changing the saturation by 10% instead.

■ 77, 33.298,
246.610

■ 77, 33.298,
246.610

■ 100, 33.298,
246.610

■ 67, 33.298,
246.610

■ 97, 33.298,
246.610

■ 57, 33.298,
246.610

■ 47, 33.298,
246.610

■ 37, 33.298,
246.610

■ 27, 33.298,
246.610

■ 17, 33.298,
246.610

■ 7, 33.298, 246.610

0, 33.298, 246.610

77, 33.298,
246.610

77, 33.298,
246.610

74, 38.152,
249.637

80, 27.934,
244.144

71, 42.516,
253.301

84, 22.092,
242.156

68, 46.477,
257.626

88, 15.830,
240.562

65, 50.195,
262.550

92, 9.215, 239.295

63, 52.698,
266.024

96, 2.319, 238.433

99, 3.153, 87.992

100, 4.618,
109.816

Harmonies

Complementary

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



77, 33.298, 246.610



74, 45.580, 53.886

Rectangle

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



77, 33.298, 246.610



77, 33.298, 296.610



77, 33.298, 66.610



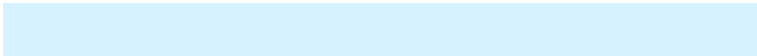
77, 33.298, 116.610

Sweetspot

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



77, 33.297, 246.609



94, 11.375, 239.613



88, 62.398, 150.996



49, 7.649, 239.867



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



77, 33.297, 246.609



76, 39.617, 249.921



59, 62.812, 292.206



49, 3.957, 238.897



48, 42.275, 265.050



14, 17.320, 257.015

Inverse Universe

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



66, 63.196, 341.082



64, 75.381, 342.417



90, 56.577, 97.171



48, 6.844, 337.079



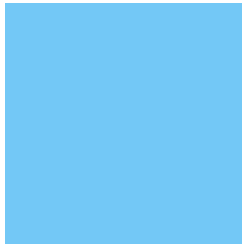
41, 70.680, 348.837



9, 32.299, 345.243

Previews

White Background



This preview shows how the CIELCh color 77, 33.298, 246.610 looks on a white background.

Color Contrast Check

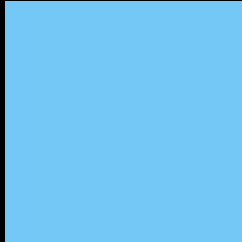
Large Text (above 18pt) WCAG AA × Fail

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 77, 33.298, 246.610 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

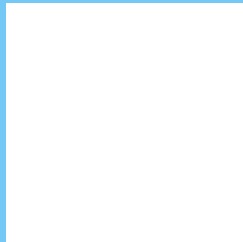
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 33.298, 246.610

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.298, 246.610.



This preview shows how white text looks on a background with the CIELCh color 77, 33.298, 246.610.

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](#).

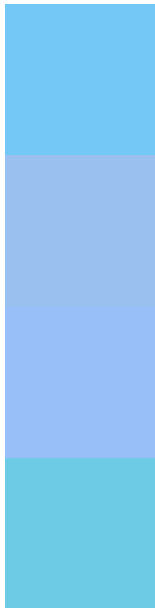
Dichromacy





Tritanopia
77, 29.726, 215.561

Trichromacy



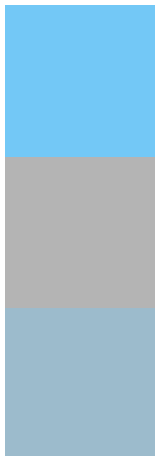
Original Color
77, 33.298, 246.610

Protanomaly
77, 27.890, 267.520

Deuteranomaly
77, 32.236, 272.033

Tritanomaly
77, 30.063, 226.842

Monochromacy



Original Color
77, 33.298, 246.610

Achromatopsia
73, 0.009, 296.813

Achromatomaly
74, 13.763, 240.968

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.298, 246.610 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(115, 200, 246)` looks like.

```
.text, #text, p{  
    color:rgb(115, 200, 246)  
}
```

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(115, 200, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 200, 246) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.298, 246.610 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(115, 200, 246) }
```

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

```
.border{ border-color:rgb(115, 200, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 200, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 200, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 200, 246);  
box-shadow:4px 4px 4px 4px rgb(115, 200,  
246) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.298, 246.610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 200, 246) }
```

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

```
.background{ background-color: rgb(115,  
200, 246) }
```

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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