

Converting Colors

CIELCh(77, 33.905, 241.288)

Have a look what the booklet for
CIELCh(77, 33.905, 241.288)
contains.

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Color

CIELCh(77, 33.831, 241.527)

Conversions

Conversions Part 1

Format	Color
Hex	6AC9F4
RGB	106, 201, 244
RGB Percent	42%, 79%, 96%
CMY	0.5831, 0.2107, 0.0420
CMYK	0.56, 0.18, 0.00, 0.04
HSL	199°, 87%, 69%
HSV	199°, 56%, 96%
XYZ	43.3020, 51.5317, 93.4770
YIQ	177.4970, -70.4230, -6.7670

Conversions

Conversions Part 2

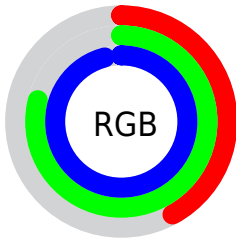
Format	Color
R _{YB}	106, 162, 244
Decimal	6998516
CIE Lab	77.00, -16.13, -29.74
CIE LCh	77, 33.831, 241.527
Yxy	51.5317, 0.2299, 0.2737
Android (android.graphics.Color)	4285188596 (0xFF6AC9F4)
YUV	177.4970, 32.7860, -62.7029
Hunter-Lab	71.7856, -17.9514, -26.9556

Details

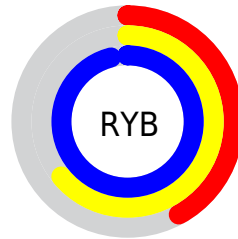
The CIELCh color **77, 33.831, 241.527** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **71, 49.167, 50.002**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 27.824, 197.702**, and **57, 33.954, 241.767** is the 20% darker color. If you saturate the color by 10%, you get **74, 38.072, 244.510**, and if you desaturate by 10%, it is **80, 28.978, 239.124**.

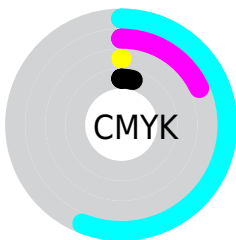
Distribution



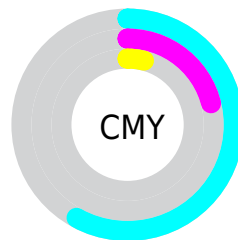
- Red (42%)
- Green (79%)
- Blue (96%)



- Red (42%)
- Yellow (64%)
- Blue (96%)



- Cyan (56%)
- Magenta (18%)
- Yellow (0%)
- Black (4%)



- Cyan (58%)
- Magenta (21%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 77, 33.831, 241.527 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, 33.831, 241.527 by changing the saturation by 10% instead.

■ 77, 33.831,
241.527

■ 77, 33.831,
241.527

■ 100, 33.831,
241.527

■ 67, 33.831,
241.527

■ 97, 33.831,
241.527

■ 57, 33.831,
241.527

■ 47, 33.831,
241.527

■ 37, 33.831,
241.527

■ 27, 33.831,
241.527

■ 17, 33.831,
241.527

■ 7, 33.831, 241.527

0, 33.831, 241.527

77, 33.831,
241.527

77, 33.831,
241.527

74, 38.072,
244.510

80, 28.978,
239.124

71, 41.726,
248.154

83, 23.549,
237.211

69, 44.889,
252.493

87, 17.608,
235.699

66, 47.744,
257.461

90, 11.237,
234.516

65, 48.757,
259.250

94, 4.514, 233.643

98, 2.485, 52.530

100, 5.211,

108.125

100, 5.423,
109.758

Harmonies

Complementary

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



77, 33.831, 241.527



71, 49.167, 50.002

Rectangle

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



77, 33.831, 241.527



77, 33.831, 291.527



77, 33.831, 61.527



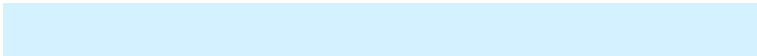
77, 33.831, 111.527

Sweetspot

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



77, 33.830, 241.526



94, 11.986, 234.574



87, 68.081, 148.595



49, 7.979, 234.792



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, 33.830, 241.526



77, 40.004, 245.072



59, 62.476, 290.507



49, 3.941, 233.865



51, 39.408, 258.300



15, 16.467, 250.446

Inverse Universe

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



65, 67.702, 339.444



63, 80.523, 340.786



87, 57.078, 93.570



48, 7.039, 335.390



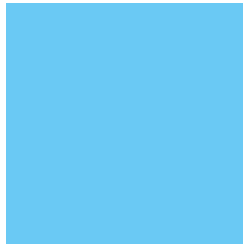
41, 72.327, 345.770



10, 33.029, 342.776

Previews

White Background



This preview shows how the CIELCh color 77, 33.831, 241.527 looks on a white background.

Color Contrast Check

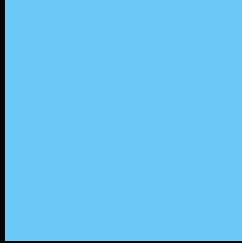
Large Text (above 18pt) WCAG AA × Fail

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, 33.831, 241.527 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

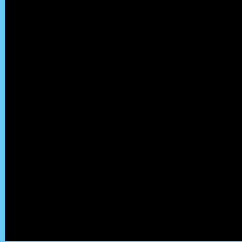
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

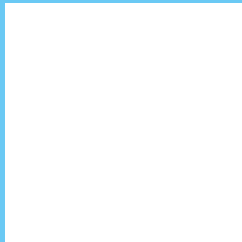
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 77, 33.831, 241.527

Background



This preview shows how black text looks on a background with the CIELCh color 77, 33.831, 241.527.



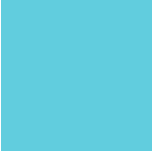
This preview shows how white text looks on a background with the CIELCh color 77, 33.831, 241.527.

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, 31.700, 214.268

Trichromacy



Original Color
77, 33.831, 241.527



Protanomaly
76, 27.183, 265.232



Deuteranomaly
77, 31.519, 269.662



Tritanomaly
77, 31.747, 223.923

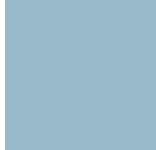
Monochromacy



Original Color
77, 33.831, 241.527



Achromatopsia
73, 0.009, 296.813



Achromatomaly
74, 14.199, 236.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 77, 33.831, 241.527 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(106, 201, 244)` looks like.

```
.text, #text, p{  
    color:rgb(106, 201, 244)  
}
```

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(106, 201, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(106, 201, 244) }
```

Border

The CSS property to change the border of an element to CIELCh 77, 33.831, 241.527 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(106, 201, 244) }
```

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

```
.border{ border-color:rgb(106, 201, 244) }
```

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

Here you see how a box with a 4 pixel rgb(106, 201, 244) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(106, 201, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(106, 201, 244);  
box-shadow:4px 4px 4px 4px rgb(106, 201,  
244) }
```

Background

The CSS property to change the background color of an element to CIELCh 77, 33.831, 241.527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(106, 201, 244) }
```

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

```
.background{ background-color: rgb(106,  
201, 244) }
```

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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