

Converting Colors

CIELCh(73, 33.484, 238.344)

Have a look what the booklet for
CIELCh(73, 33.484, 238.344)
contains.

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Color

CIELCh(73, 33.644, 238.487)

Conversions

Conversions Part 1

Format	Color
Hex	5BBFE7
RGB	91, 191, 231
RGB Percent	36%, 75%, 91%
CMY	0.6439, 0.2516, 0.0948
CMYK	0.61, 0.17, 0.00, 0.09
HSL	197°, 74%, 63%
HSV	197°, 61%, 91%
XYZ	37.2904, 45.1644, 82.2277
YIQ	165.6600, -72.4400, -8.7600

Conversions

Conversions Part 2

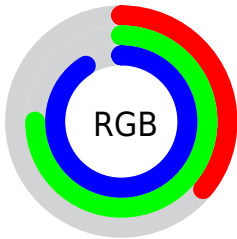
Format	Color
R_{YB}	91, 149, 231
Decimal	6012903
CIE _{Lab}	73.00, -17.59, -28.68
CIE _{LCh}	73, 33.644, 238.487
Yxy	45.1644, 0.2264, 0.2743
Android (android.graphics.Color)	4284202983 (0xFF5BBFE7)
YUV	165.6600, 32.2126, -65.4768
Hunter-Lab	67.2044, -18.5617, -25.5009

Details

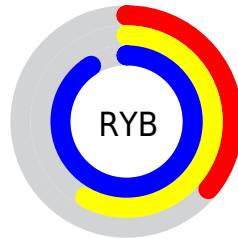
The CIELCh color **73, 33.644, 238.487** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted azure. A complement of this color would be **65, 51.678, 47.611**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **92, 29.048, 205.916**, and **53, 33.327, 237.872** is the 20% darker color. If you saturate the color by 10%, you get **70, 37.211, 241.504**, and if you desaturate by 10%, it is **76, 29.428, 236.067**.

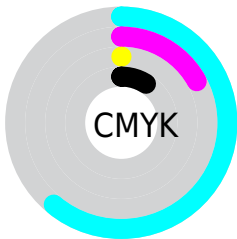
Distribution



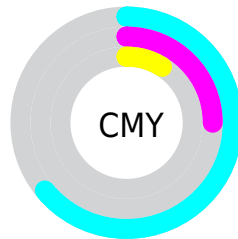
- Red (36%)
- Green (75%)
- Blue (91%)



- Red (36%)
- Yellow (58%)
- Blue (91%)



- Cyan (61%)
- Magenta (17%)
- Yellow (0%)
- Black (9%)





- Cyan (64%)
- Magenta (25%)
- Yellow (9%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 33.644, 238.487 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 73, 33.644, 238.487 by changing the saturation by 10% instead.


 73, 33.644,
238.487


 73, 33.644,
238.487


 100, 33.644,
238.487


 63, 33.644,
238.487


 93, 33.644,
238.487

 53, 33.644,
238.487

 43, 33.644,
238.487

 33, 33.644,
238.487

 23, 33.644,
238.487

 13, 33.644,
238.487

 3, 33.644, 238.487

■ 0, 33.644, 238.487

■ 73, 33.644,
238.487

■ 73, 33.644,
238.487

■ 70, 37.211,
241.504

■ 76, 29.428,
236.067

■ 68, 40.167,
245.197

■ 79, 24.591,
234.153

■ 66, 42.629,
249.590

■ 82, 19.192,
232.652

■ 64, 44.702,
254.172

■ 85, 13.313,
231.487

■ 88, 7.038, 230.609

■ 91, 0.446, 231.095

■ 95, 6.389, 49.178

■ 97, 7.689, 77.115

■ 98, 9.967, 99.331

Harmonies

Complementary

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



73, 33.644, 238.487



65, 51.678, 47.611

Rectangle

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



73, 33.644, 238.487



73, 33.644, 288.487



73, 33.644, 58.487



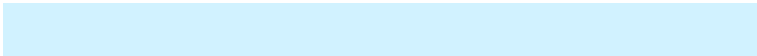
73, 33.644, 108.487

Sweetspot

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



73, 33.643, 238.486



94, 12.661, 231.236



82, 70.156, 147.390



49, 8.731, 231.525



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



73, 33.643, 238.486



76, 41.057, 242.447



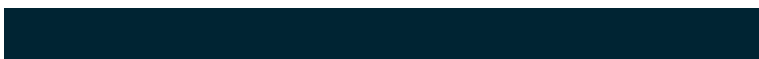
54, 63.106, 290.694



46, 3.743, 230.524



50, 36.620, 253.251



13, 14.552, 244.375

Inverse Universe

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



60, 69.657, 338.580



61, 85.468, 340.004



81, 57.511, 91.907



45, 6.801, 334.318



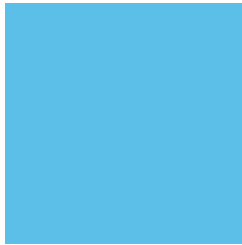
40, 71.324, 343.787



8, 30.799, 340.765

Previews

White Background



This preview shows how the CIELCh color 73, 33.644, 238.487 looks on a white background.

Color Contrast Check

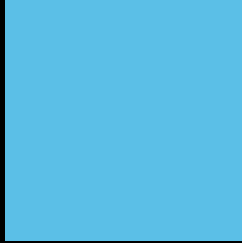
Large Text (above 18pt) WCAG AA × Fail

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 73, 33.644, 238.487 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 73, 33.644, 238.487

Background



This preview shows how black text looks on a background with the CIELCh color 73, 33.644, 238.487.



This preview shows how white text looks on a background with the CIELCh color 73, 33.644, 238.487.

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



Original Color

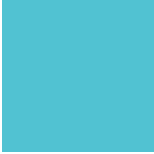
73, 33.644, 238.487

Protanopia

73, 24.010, 286.114

Deuteranopia

73, 32.149, 287.538

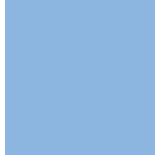


Tritanopia
73, 32.283, 212.995

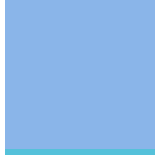
Trichromacy



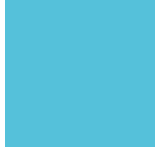
Original Color
73, 33.644, 238.487



Protanomaly
72, 26.149, 263.073



Deuteranomaly
72, 30.553, 267.586



Tritanomaly
73, 32.070, 222.752

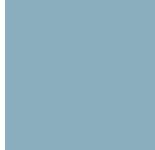
Monochromacy



Original Color
73, 33.644, 238.487



Achromatopsia
68, 0.008, 296.813



Achromatomaly
69, 14.540, 233.307

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 33.644, 238.487 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(91, 191, 231)` looks like.

```
.text, #text, p{  
    color:rgb(91, 191, 231)  
}
```

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(91, 191, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 191, 231) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 33.644, 238.487 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(91, 191, 231) }
```

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

```
.border{ border-color:rgb(91, 191, 231) }
```

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

Here you see how a box with a 4 pixel rgb(91, 191, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 191, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 191, 231);  
box-shadow:4px 4px 4px 4px rgb(91, 191,  
231) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 33.644, 238.487 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 191, 231) }
```

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

```
.background{ background-color: rgb(91, 191,  
231) }
```

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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