

Converting Colors

CIELCh(73, 65.996, 331.364)

Have a look what the booklet for
CIELCh(73, 65.996, 331.364)
contains.

CIELCh(73, 65.796, 331.522)	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(73, 65.796, 331.522)

Conversions

Conversions Part 1

Format	Color
Hex	FF89EE
RGB	255, 137, 238
RGB Percent	100%, 54%, 93%
CMY	0.0012, 0.4639, 0.0678
CMYK	0.00, 0.46, 0.07, 0.00
HSL	309°, 99%, 77%
HSV	309°, 46%, 100%
XYZ	65.4167, 45.1644, 85.9262
YIQ	183.7960, 37.9070, 56.4270

Conversions

Conversions Part 2

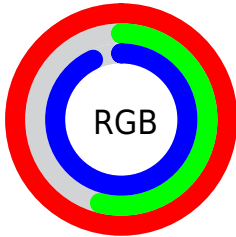
Format	Color
R _Y B	255, 137, 238
Decimal	16746990
CIE Lab	73.00, 57.83, -31.37
CIE LCh	73, 65.796, 331.522
Yxy	45.1644, 0.3329, 0.2298
Android (android.graphics.Color)	4294937070 (0xFFFF89EE)
YUV	183.7960, 26.7226, 62.4459
Hunter-Lab	67.2044, 56.1439, -28.7638

Details

The CIELCh color **73, 65.796, 331.522** is a light color, and the websafe version is hex **FF99FF**. A complement of this color would be **91, 65.994, 144.676**, and the grayscale version is **74, 0.009, 296.813**.

A 20% lighter version of the original color is **85, 38.882, 325.774**, and **53, 65.848, 331.428** is the 20% darker color. If you saturate the color by 10%, you get **68, 77.995, 332.158**, and if you desaturate by 10%, it is **78, 52.315, 330.886**.

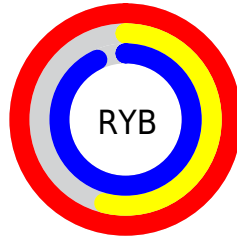
Distribution



Red (100%)

Green (54%)

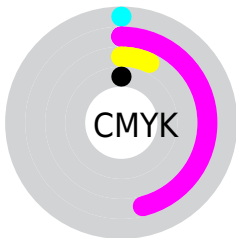
Blue (93%)



Red (100%)

Yellow (54%)

Blue (93%)

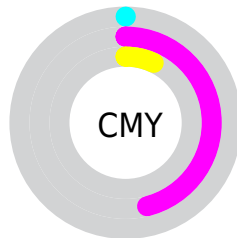


Cyan (0%)

Magenta (46%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (46%)


Yellow (7%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 73, 65.796, 331.522 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, 65.796, 331.522 by changing the saturation by 10% instead.


 73, 65.796,
331.522


 73, 65.796,
331.522


 100, 65.796,
331.522


 63, 65.796,
331.522


 93, 65.796,
331.522

 53, 65.796,
331.522

 43, 65.796,
331.522

 33, 65.796,
331.522

 23, 65.796,
331.522

 13, 65.796,
331.522

 3, 65.796, 331.522

0, 65.796, 331.522

73, 65.796,
331.522

73, 65.796,
331.522

68, 77.995,
332.158

78, 52.315,
330.886

65, 88.287,
332.793

84, 38.109,
330.251

62, 96.055,
333.435

90, 23.599,
329.621

60, 100.877,
334.101

96, 9.088, 328.987

59, 102.725,
334.816

100, 0.109,
205.508

58, 102.933,
335.091

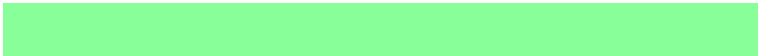
Harmonies

Complementary

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



73, 65.796, 331.522



91, 65.994, 144.676

Rectangle

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



73, 65.796, 331.522



73, 65.796, 21.522



73, 65.796, 151.522



73, 65.796, 201.522

Sweetspot

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



73, 65.793, 331.522



91, 20.245, 329.476



63, 66.039, 300.454



47, 13.989, 329.611



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, 65.793, 331.522



69, 77.707, 332.138



71, 49.451, 357.277



50, 8.201, 329.193



44, 83.144, 334.955



12, 38.767, 334.031

Inverse Universe

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



73, 65.793, 331.522



69, 77.707, 332.138



92, 44.499, 166.479



50, 8.201, 329.193



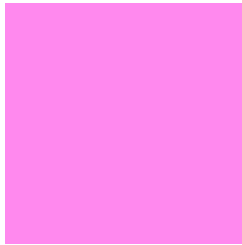
44, 83.144, 334.955



12, 38.767, 334.031

Previews

White Background



This preview shows how the CIELCh color 73, 65.796, 331.522 looks on a white background.

Color Contrast Check

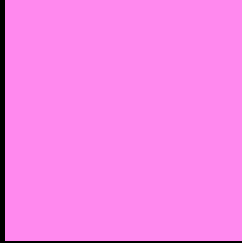
Large Text (above 18pt) WCAG AA × Fail

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, 65.796, 331.522 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, 65.796, 331.522

Background



This preview shows how black text looks on a background with the CIELCh color 73, 65.796, 331.522.

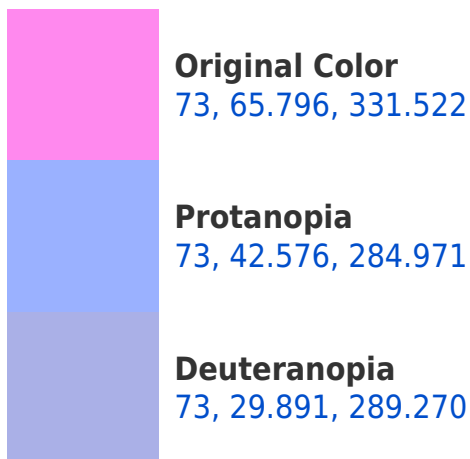


This preview shows how white text looks on a background with the CIELCh color 73, 65.796, 331.522.

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
73, 37.219, 14.095

Trichromacy



Original Color
73, 65.796, 331.522



Protanomaly
72, 48.452, 305.367



Deuteranomaly
72, 40.937, 312.185



Tritanomaly
73, 44.219, 352.051

Monochromacy



Original Color
73, 65.796, 331.522



Achromatopsia
75, 0.009, 296.813



Achromatomaly
73, 25.427, 329.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 73, 65.796, 331.522 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(255, 137, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 137, 238)  
}
```

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(255, 137, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 137, 238) }
```

Border

The CSS property to change the border of an element to CIELCh 73, 65.796, 331.522 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(255, 137, 238) }
```

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

```
.border{ border-color:rgb(255, 137, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 137, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 137, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 137, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 137,  
238) }
```

Background

The CSS property to change the background color of an element to CIELCh 73, 65.796, 331.522 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 137, 238) }
```

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

```
.background{ background-color: rgb(255,  
137, 238) }
```

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