

Converting Colors

CIELCh(64, 64.358, 1.320)

Have a look what the booklet for
CIELCh(64, 64.358, 1.320) contains.

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Color

CIELCh(64, 64.001, 1.015)

Conversions

Conversions Part 1

Format	Color
Hex	FF649C
RGB	255, 100, 156
RGB Percent	100%, 39%, 61%
CMY	0.0000, 0.6094, 0.3900
CMYK	0.00, 0.61, 0.39, 0.00
HSL	338°, 100%, 70%
HSV	338°, 61%, 100%
XYZ	51.9541, 32.8017, 34.8420
YIQ	152.7290, 74.4040, 50.2760

Conversions

Conversions Part 2

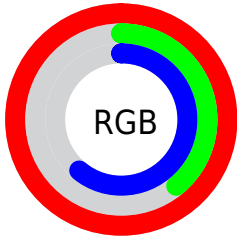
Format	Color
R_{YB}	255, 100, 156
Decimal	16737436
CIE _{Lab}	64.00, 63.99, 1.13
CIE _{LCh}	64, 64.001, 1.015
Yxy	32.8017, 0.4344, 0.2743
Android (android.graphics.Color)	4294927516 (0xFFFF649C)
YUV	152.7290, 1.6126, 89.6917
Hunter-Lab	57.2727, 61.6964, 4.0217

Details

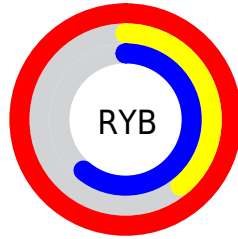
The CIELCh color **64, 64.001, 1.015** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **91, 55.818, 164.742**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **76, 44.937, 345.148**, and **44, 63.597, 0.849** is the 20% darker color. If you saturate the color by 10%, you get **60, 72.081, 3.722**, and if you desaturate by 10%, it is **69, 54.155, 358.630**.

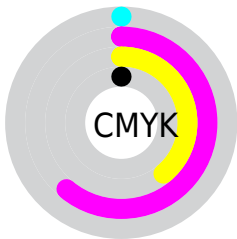
Distribution



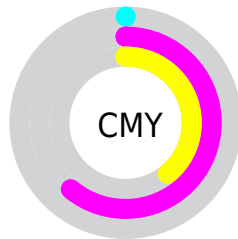
- Red (100%)
- Green (39%)
- Blue (61%)



- Red (100%)
- Yellow (39%)
- Blue (61%)



- Cyan (0%)
- Magenta (61%)
- Yellow (39%)
- Black (0%)



- Cyan (0%)
- Magenta (61%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 64.001, 1.015 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 64, 64.001, 1.015 by changing the saturation by 10% instead.

 64, 64.001, 1.015  64, 64.001, 1.015

 100, 64.001, 1.015  54, 64.001, 1.015

 84, 64.001, 1.015  44, 64.001, 1.015

 94, 64.001, 1.015  34, 64.001, 1.015

 24, 64.001, 1.015

 14, 64.001, 1.015

 4, 64.001, 1.015

 0, 64.001, 1.015

 64, 64.001, 1.015  64, 64.001, 1.015

 60, 72.081, 3.722  69, 54.155,

57, 78.542, 7.339

358.630

55, 83.066, 11.889

74, 43.670,
356.814

54, 85.987, 16.730

80, 32.819,
355.314

86, 21.949,
354.043

93, 11.285,
352.931

99, 0.958, 351.455

100, 0.012,
296.813

Harmonies

Complementary

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



64, 64.001, 1.015



91, 55.818, 164.742

Rectangle

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



64, 64.001, 1.015



64, 64.001, 51.015



64, 64.001, 181.015



64, 64.001, 231.015

Sweetspot

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



64, 63.803, 0.880



88, 18.784, 353.702



60, 88.861, 316.103



45, 13.109, 354.039



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 63.803, 0.880



59, 73.571, 4.398



66, 61.329, 35.822



50, 5.850, 352.779



40, 69.005, 15.672



10, 31.294, 8.184

Inverse Universe

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



64, 63.803, 0.880



59, 73.571, 4.398



86, 37.212, 214.390



50, 5.850, 352.779



40, 69.005, 15.672



10, 31.294, 8.184

Previews

White Background



This preview shows how the CIELCh color 64, 64.001, 1.015 looks on a white background.

Color Contrast Check

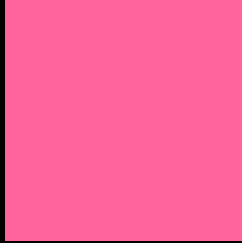
Large Text (above 18pt) WCAG AA × Fail

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 64, 64.001, 1.015 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 64, 64.001, 1.015

Background



This preview shows how black text looks on a background with the CIELCh color 64, 64.001, 1.015.



This preview shows how white text looks on a background with the CIELCh color 64, 64.001, 1.015.

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

64, 63.681, 0.743

Protanopia

64, 19.605, 285.185

Deuteranopia

64, 9.202, 27.112



Tritanopia
64, 60.517, 23.482

Trichromacy



Original Color
64, 63.681, 0.743

Protanomaly
62, 30.730, 331.327

Deuteranomaly
63, 29.901, 2.325

Tritanomaly
64, 60.431, 14.870

Monochromacy



Original Color
64, 63.681, 0.743

Achromatopsia
63, 0.008, 296.813

Achromatomaly
62, 24.567, 355.255

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 64.001, 1.015 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, 100, 156)` looks like.

```
.text, #text, p{  
    color:rgb(255, 100, 156)  
}
```

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, 100, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 100, 156) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 64.001, 1.015 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, 100, 156) }
```

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

```
.border{ border-color:rgb(255, 100, 156) }
```

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

Here you see how a box with a 4 pixel rgb(255, 100, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 100, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 100, 156);  
box-shadow:4px 4px 4px 4px rgb(255, 100,  
156) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 64.001, 1.015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 100, 156) }
```

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

```
.background{ background-color: rgb(255,  
100, 156) }
```

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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