

Converting Colors

CIELCh(64, 101.668, 326.900)

Have a look what the booklet for
CIELCh(64, 101.668, 326.900)
contains.

CIELCh(64, 101.330, 327.084)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

CIELCh(64, 101.330, 327.084)

Conversions

Conversions Part 1

Format	Color
Hex	FB4BFF
RGB	251, 75, 255
RGB Percent	98%, 29%, 100%
CMY	0.0153, 0.7054, 0.0000
CMYK	0.02, 0.71, 0.00, 0.00
HSL	299°, 100%, 65%
HSV	299°, 71%, 100%
XYZ	60.4092, 32.8017, 97.8376
YIQ	148.1440, 47.1160, 93.2920

Conversions

Conversions Part 2

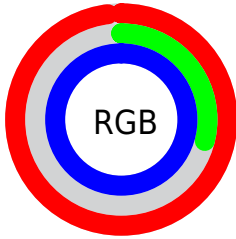
Format	Color
R_{YB}	251, 75, 255
Decimal	16468991
CIE _{Lab}	64.00, 85.06, -55.06
CIE _{LCh}	64, 101.330, 327.084
Yxy	32.8017, 0.3162, 0.1717
Android (android.graphics.Color)	4294659071 (0xFFFB4BFF)
YUV	148.1440, 52.6800, 90.2047
Hunter-Lab	57.2727, 88.0480, -61.1927

Details

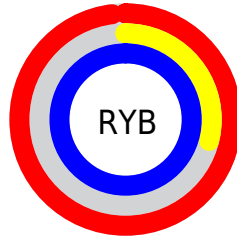
The CIELCh color **64, 101.330, 327.084** is a light color, and the websafe version is hex **FF33FF**. The color can be described as light washed magenta. A complement of this color would be **89, 102.954, 137.677**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **74, 71.904, 326.876**, and **46, 95.327, 326.829** is the 20% darker color. If you saturate the color by 10%, you get **62, 108.990, 327.290**, and if you desaturate by 10%, it is **67, 90.815, 326.810**.

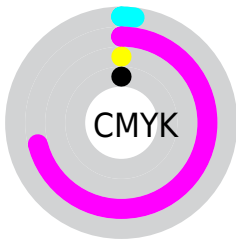
Distribution



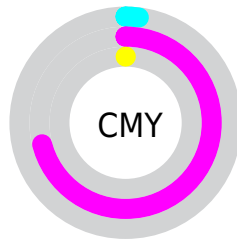
- Red (98%)
- Green (29%)
- Blue (100%)



- Red (98%)
- Yellow (29%)
- Blue (100%)



- Cyan (2%)
- Magenta (71%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (71%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 101.330, 327.084 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, 101.330, 327.084 by changing the saturation by 10% instead.


 64, 101.330,
327.084


 64, 101.330,
327.084


 100, 101.330,
327.084


 54, 101.330,
327.084


 84, 101.330,
327.084


 44, 101.330,
327.084

 94, 101.330,
327.084

 34, 101.330,
327.084

 24, 101.330,
327.084

 14, 101.330,
327.084

 4, 101.330,
327.084

 0, 101.330,

327.084

■ 64, 101.330,
327.084

■ 64, 101.330,
327.084

■ 62, 108.990,
327.290

■ 67, 90.815,
326.810

■ 60, 113.665,
327.370

■ 71, 78.101,
326.432

■ 59, 115.680,
327.361

■ 76, 63.784,
325.984

■ 82, 48.466,
325.488

■ 87, 32.643,
324.960

■ 93, 16.688,
324.414

100, 0.859,
323.541

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, 101.330, 327.084



89, 102.954, 137.677

Rectangle

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



64, 101.330, 327.084



64, 101.330, 17.084



64, 101.330, 147.084



64, 101.330, 197.084

Sweetspot

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



64, 101.289, 327.101



87, 33.376, 324.985



45, 101.062, 301.114



45, 22.593, 325.133



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, 101.289, 327.101



61, 111.448, 327.339



61, 75.710, 350.685



50, 8.996, 324.356



45, 93.172, 327.376



12, 42.858, 327.478

Inverse Universe

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



59, 77.605, 29.496



55, 93.135, 34.933



90, 73.691, 153.295



49, 5.252, 18.190



40, 83.260, 39.153



10, 33.188, 26.312

Previews

White Background



This preview shows how the CIE LCh color 64, 101.330, 327.084 looks on a white background.

Color Contrast Check

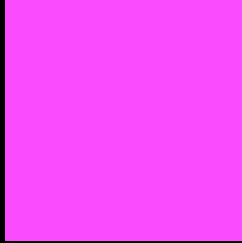
Large Text (above 18pt) WCAG AA × Fail

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, 101.330, 327.084 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

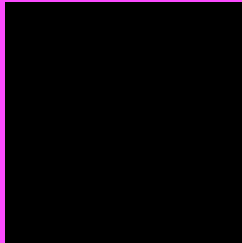
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 101.330, 327.084

Background



This preview shows how black text looks on a background with the CIELCh color 64, 101.330, 327.084.



This preview shows how white text looks on a background with the CIELCh color 64, 101.330, 327.084.

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, 101.330, 327.084

Protanopia

64, 57.654, 285.585

Deuteranopia

64, 49.239, 280.818



Tritanopia
64, 48.763, 20.144

Trichromacy



Original Color
64, 101.330, 327.084



Protanomaly
61, 74.110, 305.496



Deuteranomaly
61, 68.661, 305.233

Tritanomaly
63, 61.285, 349.343

Monochromacy



Original Color
64, 101.330, 327.084



Achromatopsia
61, 0.008, 296.813



Achromatomaly
60, 43.336, 325.445

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 101.330, 327.084 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(251, 75, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 75, 255)  
}
```

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(251, 75, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 75, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 101.330, 327.084 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(251, 75, 255) }
```

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

```
.border{ border-color:rgb(251, 75, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 75, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 75, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 75, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 75,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 101.330, 327.084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 75, 255) }
```

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

```
.background{ background-color: rgb(251, 75,  
255) }
```

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