

Converting Colors

CIELCh(65, 65.831, 351.603)

Have a look what the booklet for
CIELCh(65, 65.831, 351.603)
contains.

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Color

CIELCh(65, 65.902, 351.444)

Conversions

Conversions Part 1

Format	Color
Hex	FF66B1
RGB	255, 102, 177
RGB Percent	100%, 40%, 69%
CMY	0.0000, 0.5990, 0.3050
CMYK	0.00, 0.60, 0.30, 0.00
HSL	331°, 100%, 70%
HSV	331°, 60%, 100%
XYZ	54.0746, 34.0472, 45.4405
YIQ	156.2970, 67.1130, 55.7610

Conversions

Conversions Part 2

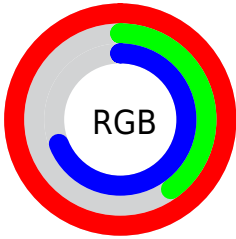
Format	Color
R_{YB}	255, 102, 177
Decimal	16737969
CIE _{Lab}	65.00, 65.17, -9.80
CIE _{LCh}	65, 65.902, 351.444
Yxy	34.0472, 0.4049, 0.2549
Android (android.graphics.Color)	4294928049 (0xFFFF66B1)
YUV	156.2970, 10.2066, 86.5625
Hunter-Lab	58.3500, 63.3088, -5.3276

Details

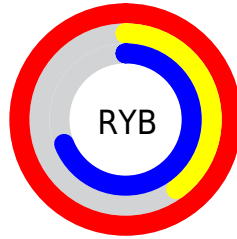
The CIELCh color **65, 65.902, 351.444** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **91, 62.103, 157.265**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **77, 51.153, 334.144**, and **45, 65.615, 351.580** is the 20% darker color. If you saturate the color by 10%, you get **61, 73.907, 353.508**, and if you desaturate by 10%, it is **70, 56.095, 349.653**.

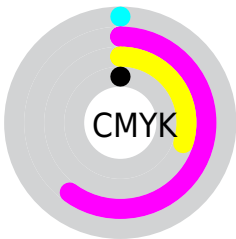
Distribution



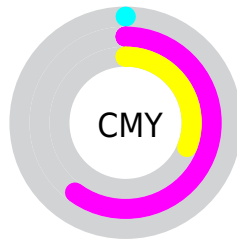
- Red (100%)
- Green (40%)
- Blue (69%)



- Red (100%)
- Yellow (40%)
- Blue (69%)



- Cyan (0%)
- Magenta (60%)
- Yellow (30%)
- Black (0%)





- Cyan (0%)
- Magenta (60%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 65.902, 351.444 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 65, 65.902, 351.444 by changing the saturation by 10% instead.


 65, 65.902,
351.444


 65, 65.902,
351.444


 100, 65.902,
351.444

 55, 65.902,
351.444


 85, 65.902,
351.444

 45, 65.902,
351.444

 95, 65.902,
351.444

 35, 65.902,
351.444

 25, 65.902,
351.444

 15, 65.902,
351.444

 5, 65.902, 351.444

 0, 65.902, 351.444

■ 65, 65.902,
351.444

■ 65, 65.902,
351.444

■ 61, 73.907,
353.508

■ 70, 56.095,
349.653

■ 58, 79.779,
356.189

■ 75, 45.300,
348.217

■ 56, 83.174,
359.595

■ 81, 33.959,
346.990

■ 55, 84.528, 3.790

■ 87, 22.457,
345.915

■ 55, 84.540, 3.835

■ 94, 11.050,
344.946

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.



65, 65.902, 351.444



91, 62.103, 157.265

Rectangle

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



65, 65.902, 351.444



65, 65.902, 41.444



65, 65.902, 171.444



65, 65.902, 221.444

Sweetspot

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



65, 65.830, 351.379



88, 20.278, 345.725



58, 87.100, 312.109



45, 14.129, 346.018



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



65, 65.830, 351.379



60, 75.340, 354.020



63, 65.644, 27.648



50, 6.344, 344.909



41, 68.159, 2.985



10, 31.786, 357.244

Inverse Universe

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



65, 65.830, 351.379



60, 75.340, 354.020



92, 41.701, 196.873



50, 6.344, 344.909



41, 68.159, 2.985



10, 31.786, 357.244

Previews

White Background



This preview shows how the CIELCh color 65, 65.902, 351.444 looks on a white background.

Color Contrast Check

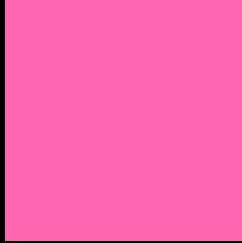
Large Text (above 18pt) WCAG AA × Fail

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 65, 65.902, 351.444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

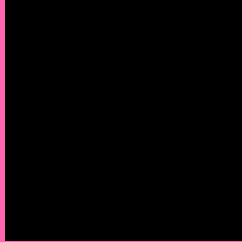
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 65.902, 351.444

Background



This preview shows how black text looks on a background with the CIELCh color 65, 65.902, 351.444.



This preview shows how white text looks on a background with the CIELCh color 65, 65.902, 351.444.

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

65, 65.902, 351.444

Protanopia

65, 32.407, 285.089

Deuteranopia

65, 10.588, 323.209



Tritanopia
65, 56.771, 22.025

Trichromacy



Original Color
65, 65.902, 351.444



Protanomaly
63, 39.720, 317.356



Deuteranomaly
64, 31.811, 342.905



Tritanomaly
65, 57.820, 9.937

Monochromacy



Original Color
65, 65.902, 351.444



Achromatopsia
64, 0.008, 296.813



Achromatomaly
63, 26.443, 346.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 65.902, 351.444 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, 102, 177)` looks like.

```
.text, #text, p{  
    color:rgb(255, 102, 177)  
}
```

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, 102, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 102, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 65.902, 351.444 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, 102, 177) }
```

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

```
.border{ border-color:rgb(255, 102, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 102, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 102, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 102, 177);  
box-shadow:4px 4px 4px 4px rgb(255, 102,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 65.902, 351.444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 102, 177) }
```

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

```
.background{ background-color: rgb(255,  
102, 177) }
```

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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