

Converting Colors

CIELCh(63, 107.529, 327.993)

Have a look what the booklet for
CIELCh(63, 107.529, 327.993)
contains.

CIELCh(63, 107.137, 327.981)	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(63, 107.137, 327.981)

Conversions

Conversions Part 1

Format	Color
Hex	FF3AFF
RGB	255, 58, 255
RGB Percent	100%, 23%, 100%
CMY	0.0000, 0.7739, 0.0000
CMYK	0.00, 0.77, 0.00, 0.00
HSL	300°, 100%, 61%
HSV	300°, 77%, 100%
XYZ	61.0288, 31.5869, 97.8625
YIQ	139.3610, 54.1750, 103.0310

Conversions

Conversions Part 2

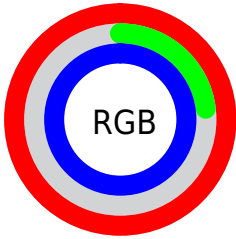
Format	Color
R _Y B	255, 58, 255
Decimal	16726783
CIE _{Lab}	63.00, 90.84, -56.80
CIE _{LCh}	63, 107.137, 327.981
Yxy	31.5869, 0.3204, 0.1658
Android (android.graphics.Color)	4294916863 (0xFFFF3AFF)
YUV	139.3610, 57.0100, 101.4154
Hunter-Lab	56.2022, 95.4755, -63.8975

Details

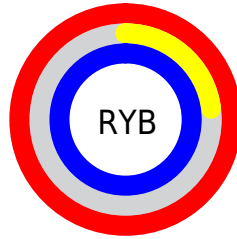
The CIELCh color $63, 107.137, 327.981$ is a light color, and the websafe version is hex FF33FF . The color can be described as light washed magenta. A complement of this color would be $88, 109.586, 137.270$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $72, 77.932, 327.071$, and $46, 95.224, 327.629$ is the 20% darker color. If you saturate the color by 10%, you get $61, 112.487, 328.141$, and if you desaturate by 10%, it is $66, 98.452, 327.716$.

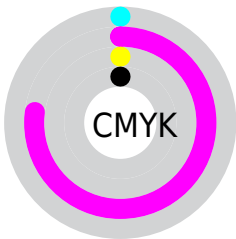
Distribution



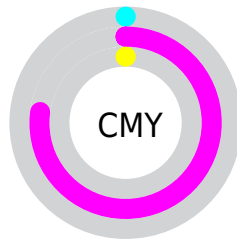
- Red (100%)
- Green (23%)
- Blue (100%)



- Red (100%)
- Yellow (23%)
- Blue (100%)



- Cyan (0%)
- Magenta (77%)
- Yellow (0%)
- Black (0%)





- Cyan (0%)
- Magenta (77%)
- Yellow (0%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 107.137, 327.981 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 63, 107.137, 327.981 by changing the saturation by 10% instead.


 63, 107.137,
327.981


 63, 107.137,
327.981


 100, 107.137,
327.981


 53, 107.137,
327.981


 83, 107.137,
327.981


 43, 107.137,
327.981


 93, 107.137,
327.981

 33, 107.137,
327.981

 23, 107.137,
327.981

 13, 107.137,
327.981

 3, 107.137,
327.981

 0, 107.137,

327.981

■ 63, 107.137,
327.981

■ 63, 107.137,
327.981

■ 61, 112.487,
328.141

■ 66, 98.452,
327.716

■ 60, 115.135,
328.220

■ 69, 87.292,
327.369

■ 60, 115.567,
328.233

■ 73, 74.048,
326.946

■ 78, 59.351,
326.464

■ 84, 43.779,
325.941

■ 89, 27.802,
325.393

95, 11.765,
324.824

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.



63, 107.137, 327.981



88, 109.586, 137.270

Rectangle

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



63, 107.137, 327.981



63, 107.137, 17.981



63, 107.137, 147.981



63, 107.137, 197.981

Sweetspot

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



63, 106.960, 327.975



86, 36.785, 325.703



40, 114.486, 303.548



44, 25.446, 325.899



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 106.960, 327.975



61, 114.290, 328.195



59, 78.791, 354.764



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.823, 328.233

Inverse Universe

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



63, 106.960, 327.975



61, 114.290, 328.195



89, 76.524, 153.629



50, 9.057, 324.947



45, 93.083, 328.233



12, 42.823, 328.233

Previews

White Background



This preview shows how the CIELCh color 63, 107.137, 327.981 looks on a white background.

Color Contrast Check

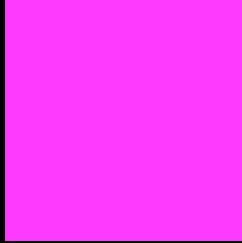
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 63, 107.137, 327.981 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

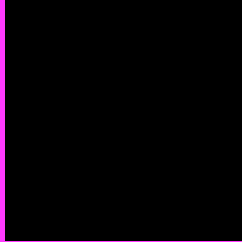
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 107.137, 327.981

Background



This preview shows how black text looks on a background with the CIELCh color 63, 107.137, 327.981.



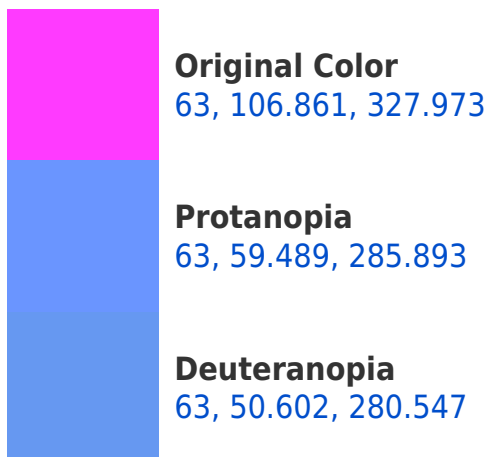
This preview shows how white text looks on a background with the CIELCh color 63, 107.137, 327.981.

327.981.

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
63, 54.261, 22.167

Trichromacy



Original Color
63, 106.861, 327.973



Protanomaly
59, 78.927, 306.535



Deuteranomaly
59, 72.994, 306.189

Tritanomaly
62, 66.102, 351.459

Monochromacy



Original Color
63, 106.861, 327.973



Achromatopsia
58, 0.007, 296.813



Achromatomaly
56, 47.705, 326.542

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 107.137, 327.981 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, 58, 255)` looks like.

```
.text, #text, p{  
    color:rgb(255, 58, 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(255, 58, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 58, 255) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 107.137, 327.981 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, 58, 255) }
```

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

```
.border{ border-color:rgb(255, 58, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 58, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 58, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 58, 255);  
box-shadow:4px 4px 4px 4px rgb(255, 58,  
255) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 107.137, 327.981 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 58, 255) }
```

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

```
.background{ background-color: rgb(255, 58,  
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](#).

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