

Converting Colors

CIELCh(66, 82.893, 6.533)

Have a look what the booklet for
CIELCh(66, 82.893, 6.533) contains.

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Color

CIELCh(60, 72.997, 0.195)

Conversions

Conversions Part 1

Format	Color
Hex	FF4993
RGB	255, 73, 147
RGB Percent	100%, 29%, 58%
CMY	0.0001, 0.7138, 0.4236
CMYK	0.00, 0.71, 0.42, 0.00
HSL	336°, 100%, 64%
HSV	336°, 71%, 100%
XYZ	48.8771, 28.1233, 30.4477
YIQ	135.8540, 84.7180, 61.5980

Conversions

Conversions Part 2

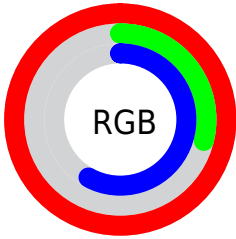
Format	Color
R _Y B	255, 73, 147
Decimal	16730515
CIE Lab	60.00, 73.00, 0.25
CIE LCh	60, 72.997, 0.195
Yxy	28.1233, 0.4549, 0.2617
Android (android.graphics.Color)	4294920595 (0xFFFF4993)
YUV	135.8540, 5.4950, 104.4910
Hunter-Lab	53.0314, 71.7117, 3.0810

Details

The CIELCh color **60, 72.997, 0.195** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **90, 65.841, 159.998**, and the grayscale version is **57, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 55.400, 345.545**, and **42, 68.737, 1.896** is the 20% darker color. If you saturate the color by 10%, you get **57, 78.976, 3.562**, and if you desaturate by 10%, it is **64, 65.007, 357.552**.

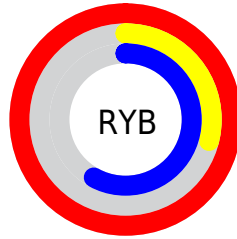
Distribution



Red (100%)

Green (29%)

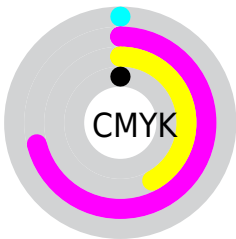
Blue (58%)



Red (100%)

Yellow (29%)

Blue (58%)

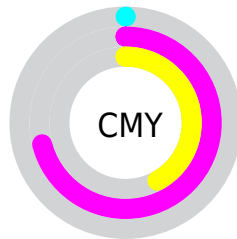


Cyan (0%)

Magenta (71%)

Yellow (42%)

Black (0%)



Cyan (0%)

Magenta (71%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 72.997, 0.195 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 60, 72.997, 0.195 by changing the saturation by 10% instead.

 60, 72.997, 0.195

 60, 72.997, 0.195

 100, 72.997, 0.195

 50, 72.997, 0.195

 80, 72.997, 0.195

 40, 72.997, 0.195

 90, 72.997, 0.195

 30, 72.997, 0.195

 20, 72.997, 0.195


 10, 72.997, 0.195

 0, 72.997, 0.195

 60, 72.997, 0.195

 60, 72.997, 0.195

 57, 78.976, 3.562

 64, 65.007,
357.552

 55, 82.816, 7.820

54, 84.884, 12.172

69, 55.489,
355.448

74, 45.001,
353.737

80, 34.040,
352.312

86, 22.978,
351.093

92, 12.062,
350.020

99, 1.440, 348.767

100, 0.013,
258.792

Harmonies

Complementary

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



60, 72.997, 0.195



90, 65.841, 159.998

Rectangle

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



60, 72.997, 0.195



60, 72.997, 50.195



60, 72.997, 180.195



60, 72.997, 230.195

Sweetspot

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



60, 72.993, 0.196



86, 22.566, 351.051



54, 101.867, 314.808



44, 15.322, 351.369



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



60, 72.993, 0.196



56, 81.013, 5.412



61, 76.081, 34.879



50, 6.012, 349.829



41, 68.250, 11.170



10, 31.314, 4.231

Inverse Universe

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



60, 72.993, 0.196



56, 81.013, 5.412



87, 41.937, 207.914



50, 6.012, 349.829



41, 68.250, 11.170



10, 31.314, 4.231

Previews

White Background



This preview shows how the CIELCh color 60, 72.997, 0.195 looks on a white background.

Color Contrast Check

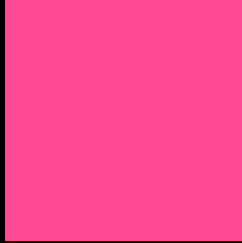
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 72.997, 0.195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

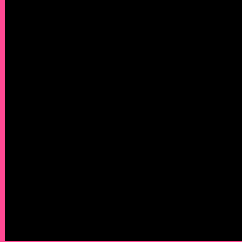
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 72.997, 0.195

Background



This preview shows how black text looks on a background with the CIELCh color 60, 72.997, 0.195.

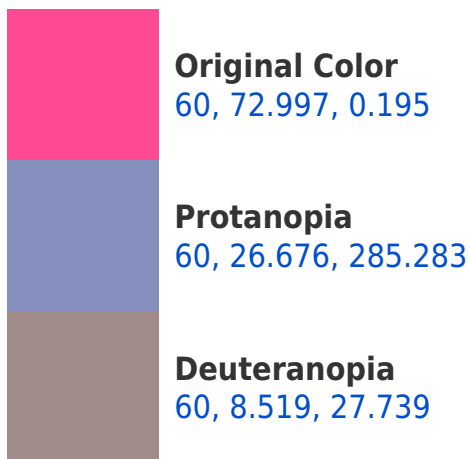


This preview shows how white text looks on a background with the CIELCh color 60, 72.997, 0.195.

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
60, 70.514, 27.568

Trichromacy



Original Color
60, 72.997, 0.195



Protanomaly
57, 38.170, 327.671



Deuteranomaly
58, 34.204, 359.685



Tritanomaly
60, 69.252, 17.565

Monochromacy



Original Color
60, 72.997, 0.195



Achromatopsia
57, 0.007, 296.813



Achromatomaly
55, 30.112, 352.789

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 72.997, 0.195 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, 73, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 73, 147)  
}
```

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, 73, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 73, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 72.997, 0.195 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, 73, 147) }
```

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

```
.border{ border-color:rgb(255, 73, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 73, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 73, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 73, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 73,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 72.997, 0.195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 73, 147) }
```

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

```
.background{ background-color: rgb(255, 73,  
147) }
```

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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