

Converting Colors

CIELCh(53, 59.300, 3.677)

Have a look what the booklet for
CIELCh(53, 59.300, 3.677) contains.

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Color

CIELCh(53, 59.300, 3.677)

Conversions

Conversions Part 1

Format	Color
Hex	D84A7A
RGB	216, 74, 122
RGB Percent	85%, 29%, 48%
CMY	0.1511, 0.7080, 0.5200
CMYK	0.00, 0.66, 0.43, 0.15
HSL	340°, 65%, 57%
HSV	340°, 66%, 85%
XYZ	34.4780, 21.0462, 20.7876
YIQ	121.9300, 69.2240, 45.0320

Conversions

Conversions Part 2

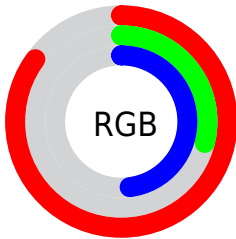
Format	Color
R_{YB}	216, 74, 122
Decimal	14174842
CIE _{Lab}	53.00, 59.18, 3.80
CIE _{LCh}	53, 59.300, 3.677
Yxy	21.0462, 0.4518, 0.2758
Android (android.graphics.Color)	4292364922 (0xFFD84A7A)
YUV	121.9300, 0.0345, 82.4994
Hunter-Lab	45.8761, 53.8677, 5.2476

Details

The CIELCh color **53, 59.300, 3.677** is a dark color, and the websafe version is hex **CC3366**. The color can be described as middle muted rose. A complement of this color would be **78, 50.744, 165.579**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **70, 52.054, 358.819**, and **33, 58.567, 3.804** is the 20% darker color. If you saturate the color by 10%, you get **50, 66.087, 6.889**, and if you desaturate by 10%, it is **57, 51.208, 1.146**.

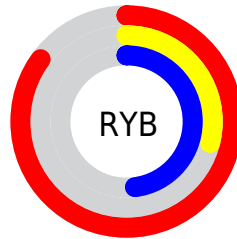
Distribution



Red (85%)

Green (29%)

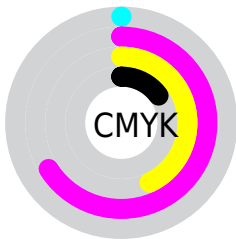
Blue (48%)



Red (85%)

Yellow (29%)

Blue (48%)

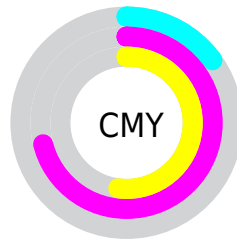


Cyan (0%)

Magenta (66%)

Yellow (43%)

Black (15%)



Cyan (15%)


Magenta (71%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 59.300, 3.677 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 53, 59.300, 3.677 by changing the saturation by 10% instead.

 53, 59.300, 3.677  53, 59.300, 3.677

 100, 59.300, 3.677  43, 59.300, 3.677

 73, 59.300, 3.677  33, 59.300, 3.677

 83, 59.300, 3.677  23, 59.300, 3.677

 93, 59.300, 3.677  13, 59.300, 3.677

 3, 59.300, 3.677

 0, 59.300, 3.677

 53, 59.300, 3.677  53, 59.300, 3.677

 50, 66.087, 6.889  57, 51.208, 1.146

 48, 71.294, 10.950  61, 42.257,

46, 74.992, 15.955 359.122

46, 76.458, 18.299 67, 32.871,
357.471

72, 23.386,
356.091

77, 14.032,
354.907

83, 4.947, 353.829

89, 3.796, 173.165

95, 12.169,
172.280

97, 13.186,
190.726

Harmonies

Complementary

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



53, 59.300, 3.677



78, 50.744, 165.579

Rectangle

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



53, 59.300, 3.677



53, 59.300, 53.677



53, 59.300, 183.677



53, 59.300, 233.677

Sweetspot

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



53, 59.297, 3.679



87, 20.701, 355.430



50, 83.169, 316.690



44, 14.184, 355.769



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



53, 59.297, 3.679



57, 77.442, 8.455



56, 57.955, 37.524



42, 5.005, 354.240



36, 63.830, 17.295



5, 22.415, 4.254

Inverse Universe

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



53, 59.297, 3.679



57, 77.442, 8.455



73, 33.776, 217.454



42, 5.005, 354.240



36, 63.830, 17.295



5, 22.415, 4.254

Previews

White Background



This preview shows how the CIELCh color 53, 59.300, 3.677 looks on a white background.

Color Contrast Check

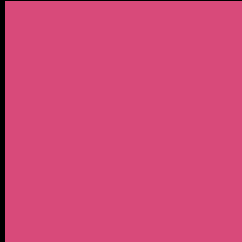
Large Text (above 18pt) WCAG AA ✓ Pass

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 53, 59.300, 3.677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

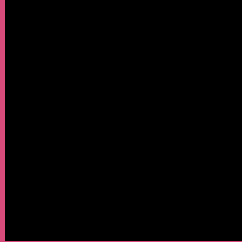
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 59.300, 3.677

Background



This preview shows how black text looks on a background with the CIELCh color 53, 59.300, 3.677.



This preview shows how white text looks on a background with the CIELCh color 53, 59.300, 3.677.

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

53, 59.300, 3.677

Protanopia

53, 15.677, 285.495

Deuteranopia

53, 9.978, 47.538



Tritanopia
53, 57.810, 25.353

Trichromacy



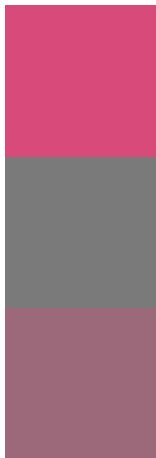
Original Color
53, 59.300, 3.677

Protanomaly
51, 27.658, 335.903

Deuteranomaly
52, 27.994, 7.799

Tritanomaly
53, 57.422, 17.227

Monochromacy



Original Color
53, 59.300, 3.677

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 23.003, 357.227

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 59.300, 3.677 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(216, 74, 122)` looks like.

```
.text, #text, p{  
    color:rgb(216, 74, 122)  
}
```

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(216, 74, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 74, 122) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 59.300, 3.677 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(216, 74, 122) }
```

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

```
.border{ border-color:rgb(216, 74, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 74, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 74, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 74, 122);  
box-shadow:4px 4px 4px 4px rgb(216, 74,  
122) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 59.300, 3.677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 74, 122) }
```

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

```
.background{ background-color: rgb(216, 74,  
122) }
```

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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