

Converting Colors

CIELCh(53, 38.338, 346.225)

Have a look what the booklet for
CIELCh(53, 38.338, 346.225)
contains.

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Color

CIELCh(53, 38.338, 346.225)

Conversions

Conversions Part 1

| Format | Color |
|---------------|----------------------------|
| Hex | B4658F |
| RGB | 180, 101, 143 |
| RGB Percent | 71%, 40%, 56% |
| CMY | 0.2935, 0.6033, 0.4386 |
| CMYK | 0.00, 0.44, 0.21, 0.29 |
| HSL | 328°, 35%, 55% |
| HSV | 328°, 44%, 71% |
| XYZ | 28.4969, 21.0462, 28.6061 |
| YIQ | 129.4090, 33.6020, 29.8100 |

Conversions

Conversions Part 2

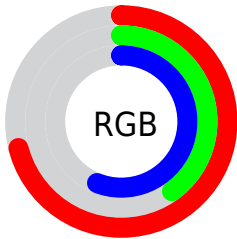
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 180, 101, 143 |
| Decimal | 11822479 |
| CIE Lab | 53.00, 37.24, -9.13 |
| CIE LCh | 53, 38.338, 346.225 |
| Yxy | 21.0462, 0.3646, 0.2693 |
| Android (android.graphics.Color) | 4290012559 (0xFFB4658F) |
| YUV | 129.4090, 6.7004, 44.3683 |
| Hunter-Lab | 45.8761, 30.5957, -4.8570 |

Details

The CIELCh color **53, 38.338, 346.225** is a dark color, and the websafe version is hex **CC6699**. A complement of this color would be **68, 36.778, 157.680**, and the grayscale version is **54, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 38.115, 346.010**, and **33, 38.253, 345.954** is the 20% darker color. If you saturate the color by 10%, you get **49, 46.390, 347.587**, and if you desaturate by 10%, it is **57, 29.729, 345.055**.

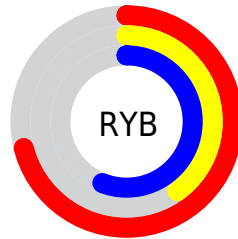
Distribution



Red (71%)

Green (40%)

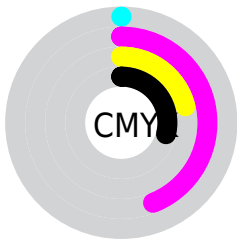
Blue (56%)



Red (71%)

Yellow (40%)

Blue (56%)

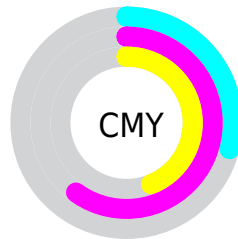


Cyan (0%)

Magenta (44%)

Yellow (21%)

Black (29%)



Cyan (29%)


Magenta (60%)


Yellow (44%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 38.338, 346.225 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, 38.338, 346.225 by changing the saturation by 10% instead.


 53, 38.338,
346.225


 53, 38.338,
346.225


 100, 38.338,
346.225


 43, 38.338,
346.225


 73, 38.338,
346.225

 33, 38.338,
346.225

 83, 38.338,
346.225

 23, 38.338,
346.225

 93, 38.338,
346.225

 13, 38.338,
346.225

 3, 38.338, 346.225

 0, 38.338, 346.225

53, 38.338,
346.225

53, 38.338,
346.225

49, 46.390,
347.587

57, 29.729,
345.055

46, 53.486,
349.209

62, 20.887,
344.023

43, 59.178,
351.194

67, 12.034,
343.092

41, 63.089,
353.672

71, 3.313, 342.182

39, 65.075,
356.793


76, 5.191, 161.603

39, 65.738,
358.956

81, 13.433,
160.862

87, 21.398,
160.207

92, 29.085,
159.604

 94, 31.795,
161.982

Harmonies

Complementary

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



53, 38.338, 346.225



68, 36.778, 157.680

Rectangle

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



53, 38.338, 346.225



53, 38.338, 36.225



53, 38.338, 166.225



53, 38.338, 216.225

Sweetspot

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



53, 38.335, 346.226



85, 13.986, 343.036



50, 47.823, 310.203



44, 9.799, 343.231



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



53, 38.335, 346.226



63, 56.576, 347.594



52, 34.349, 21.430



35, 4.859, 342.690



33, 58.365, 358.408



2, 10.804, 348.099

Inverse Universe

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



53, 38.335, 346.226



63, 56.576, 347.594



69, 25.679, 194.089



35, 4.859, 342.690



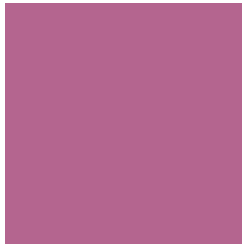
33, 58.365, 358.408



2, 10.804, 348.099

Previews

White Background



This preview shows how the CIELCh color 53, 38.338, 346.225 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, 38.338, 346.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

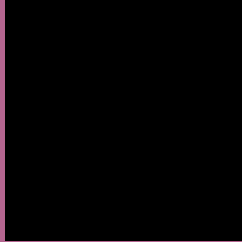
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 38.338, 346.225

Background



This preview shows how black text looks on a background with the CIELCh color 53, 38.338, 346.225.



This preview shows how white text looks on a background with the CIELCh color 53, 38.338, 346.225.

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, 38.338, 346.225

Protanopia

53, 19.742, 285.445

Deuteranopia

53, 10.247, 315.789



Tritanopia
53, 29.866, 14.561

Trichromacy



Original Color
53, 38.338, 346.225

Protanomaly
53, 23.328, 315.086

Deuteranomaly
53, 20.559, 335.002

Tritanomaly
53, 31.755, 2.793

Monochromacy



Original Color
53, 38.338, 346.225

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 14.097, 343.305

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 38.338, 346.225 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(180, 101, 143)` looks like.

```
.text, #text, p{  
    color:rgb(180, 101, 143)  
}
```

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(180, 101, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 101, 143) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 38.338, 346.225 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(180, 101, 143) }
```

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

```
.border{ border-color:rgb(180, 101, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 101, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 101, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 101, 143);  
box-shadow:4px 4px 4px 4px rgb(180, 101,  
143) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 38.338, 346.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 101, 143) }
```

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

```
.background{ background-color: rgb(180,  
101, 143) }
```

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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