

Converting Colors

CIELCh(53, 43.342, 303.198)

Have a look what the booklet for
CIELCh(53, 43.342, 303.198)
contains.

CIELCh(53, 43.398, 303.217)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(53, 43.398, 303.217)

Conversions

Conversions Part 1

Format	Color
Hex	8673BD
RGB	134, 115, 189
RGB Percent	53%, 45%, 74%
CMY	0.4740, 0.5486, 0.2583
CMYK	0.29, 0.39, 0.00, 0.26
HSL	255°, 36%, 60%
HSV	255°, 39%, 74%
XYZ	25.1945, 21.0462, 50.9510
YIQ	129.1170, -12.4300, 27.0420

Conversions

Conversions Part 2

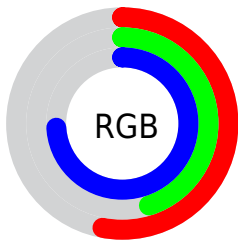
Format	Color
R_{YB}	134, 115, 189
Decimal	8811453
CIE _{Lab}	53.00, 23.77, -36.31
CIE _{LCh}	53, 43.398, 303.217
Yxy	21.0462, 0.2592, 0.2165
Android (android.graphics.Color)	4287001533 (0xFF8673BD)
YUV	129.1170, 29.5223, 4.2824
Hunter-Lab	45.8761, 17.7463, -33.7354

Details

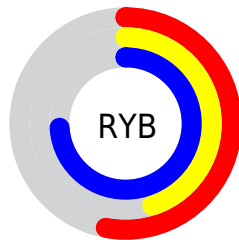
The CIELCh color $53, 43.398, 303.217$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $74, 39.827, 117.767$, and the grayscale version is $54, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 43.681, 303.324$, and $33, 43.031, 303.166$ is the 20% darker color. If you saturate the color by 10%, you get $47, 55.332, 304.224$, and if you desaturate by 10%, it is $59, 31.753, 302.296$.

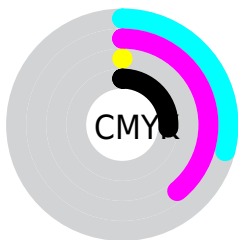
Distribution



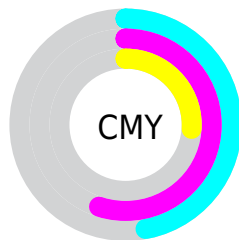
- Red (53%)
- Green (45%)
- Blue (74%)



- Red (53%)
- Yellow (45%)
- Blue (74%)



- Cyan (29%)
- Magenta (39%)
- Yellow (0%)
- Black (26%)





- Cyan (47%)
- Magenta (55%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 43.398, 303.217 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, 43.398, 303.217 by changing the saturation by 10% instead.


 53, 43.398,
303.217


 53, 43.398,
303.217


 100, 43.398,
303.217


 43, 43.398,
303.217


 73, 43.398,
303.217

 33, 43.398,
303.217

 83, 43.398,
303.217

 23, 43.398,
303.217

 93, 43.398,
303.217

 13, 43.398,
303.217

 3, 43.398, 303.217

 0, 43.398, 303.217

■ 53, 43.398,
303.217

■ 53, 43.398,
303.217

■ 47, 55.332,
304.224

■ 59, 31.753,
302.296

■ 41, 67.367,
305.278

■ 65, 20.480,
301.472

■ 36, 79.098,
306.303

■ 71, 9.602, 300.746

■ 31, 89.792,
307.169

■ 77, 0.886, 120.153

■ 28, 98.341,
307.688

■ 83, 10.998,
119.574


■ 25, 104.013,
307.781

■ 89, 20.755,
119.100

■ 25, 104.473,
307.796

■ 95, 30.178,
118.692

■ 98, 33.322,
113.173

 99, 33.142,
107.655

Harmonies

Complementary

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



53, 43.398, 303.217



74, 39.827, 117.767

Rectangle

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



53, 43.398, 303.217



53, 43.398, 353.217



53, 43.398, 123.217



53, 43.398, 173.217

Sweetspot

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



53, 43.397, 303.217



88, 15.643, 300.958



67, 20.275, 228.694



45, 10.396, 301.051



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



53, 43.397, 303.217



62, 65.146, 304.080



57, 46.161, 318.959



37, 5.950, 300.761



20, 91.360, 307.907



1, 17.611, 297.757

Inverse Universe

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



58, 40.907, 335.330



70, 59.863, 336.020



71, 45.130, 135.267



37, 5.908, 333.172



35, 66.599, 341.617



3, 16.706, 337.340

Previews

White Background



This preview shows how the CIELCh color 53, 43.398, 303.217 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 CIE LCh color 53, 43.398, 303.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

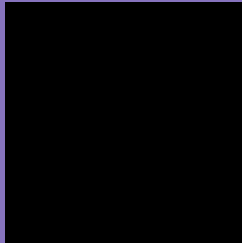
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 43.398, 303.217

Background



This preview shows how black text looks on a background with the CIELCh color 53, 43.398, 303.217.



This preview shows how white text looks on a background with the CIELCh color 53, 43.398, 303.217.

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, 43.398, 303.217

Protanopia
53, 42.407, 285.823

Deuteranopia
53, 35.730, 281.793



Tritanopia
53, 5.828, 283.337

Trichromacy



Original Color
53, 43.398, 303.217

Protanomaly
53, 42.213, 291.498

Deuteranomaly
53, 38.203, 290.105

Tritanomaly
53, 19.317, 298.965

Monochromacy



Original Color
53, 43.398, 303.217

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 15.890, 301.439

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 43.398, 303.217 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(134, 115, 189)` looks like.

```
.text, #text, p{  
    color:rgb(134, 115, 189)  
}
```

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(134, 115, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 115, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 43.398, 303.217 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(134, 115, 189) }
```

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

```
.border{ border-color:rgb(134, 115, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 115, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 115, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 115, 189);  
box-shadow:4px 4px 4px 4px rgb(134, 115,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 43.398, 303.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 115, 189) }
```

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

```
.background{ background-color: rgb(134,  
115, 189) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor