

Converting Colors

CIELCh(53, 39.013, 294.809)

Have a look what the booklet for
CIELCh(53, 39.013, 294.809)
contains.

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Color

CIELCh(53, 38.795, 294.770)

Conversions

Conversions Part 1

Format	Color
Hex	7878BB
RGB	120, 120, 187
RGB Percent	47%, 47%, 73%
CMY	0.5290, 0.5291, 0.2663
CMYK	0.36, 0.36, 0.00, 0.27
HSL	240°, 33%, 60%
HSV	240°, 36%, 73%
XYZ	23.4660, 21.0462, 49.8941
YIQ	127.6380, -21.5070, 20.8370

Conversions

Conversions Part 2

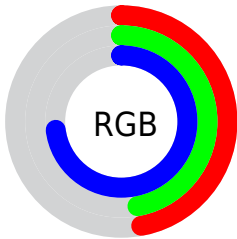
Format	Color
R_{YB}	120, 120, 187
Decimal	7895227
CIE _{Lab}	53.00, 16.25, -35.23
CIE _{LCh}	53, 38.795, 294.770
Yxy	21.0462, 0.2486, 0.2229
Android (android.graphics.Color)	4286085307 (0xFF7878BB)
YUV	127.6380, 29.2655, -6.6985
Hunter-Lab	45.8761, 11.0210, -32.3696

Details

The CIELCh color **53, 38.795, 294.770** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **75, 35.480, 106.760**, and the grayscale version is **53, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 38.642, 294.709**, and **33, 38.338, 294.591** is the 20% darker color. If you saturate the color by 10%, you get **47, 50.692, 296.573**, and if you desaturate by 10%, it is **59, 27.375, 293.213**.

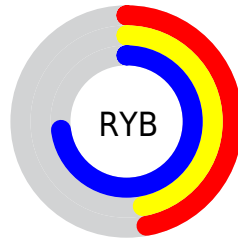
Distribution



Red (47%)

Green (47%)

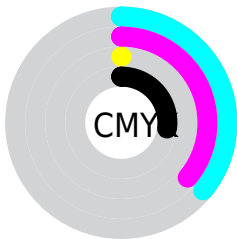
Blue (73%)



Red (47%)

Yellow (47%)

Blue (73%)

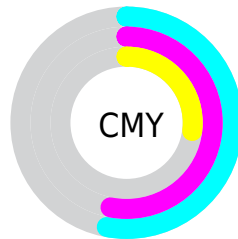


Cyan (36%)

Magenta (36%)

Yellow (0%)

Black (27%)



Cyan (53%)


Magenta (53%)


Yellow (27%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 38.795, 294.770 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, 38.795, 294.770 by changing the saturation by 10% instead.


 53, 38.795,
294.770


 53, 38.795,
294.770


 100, 38.795,
294.770


 43, 38.795,
294.770


 73, 38.795,
294.770

 33, 38.795,
294.770

 83, 38.795,
294.770

 23, 38.795,
294.770

 93, 38.795,
294.770

 13, 38.795,
294.770

 3, 38.795, 294.770

 0, 38.795, 294.770

■ 53, 38.795,
294.770

■ 53, 38.795,
294.770

■ 47, 50.692,
296.573

■ 59, 27.375,
293.213

■ 40, 63.000,
298.606

■ 66, 16.428,
291.887

■ 35, 75.456,
300.792

■ 72, 5.925, 290.766

■ 30, 87.378,
302.944

■ 79, 4.168, 109.785

■ 26, 97.438,
304.761

■ 85, 13.883,
108.981

■ 23, 103.947,
305.920

■ 91, 23.246,
108.289

■ 22, 106.033,
306.287

■ 97, 32.283,
107.695

■ 99, 34.146,
107.577

Harmonies

Complementary

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



53, 38.795, 294.770



75, 35.480, 106.760

Rectangle

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



53, 38.795, 294.770



53, 38.795, 344.770



53, 38.795, 114.770



53, 38.795, 164.770

Sweetspot

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



53, 38.794, 294.770



87, 13.967, 291.343



72, 22.180, 197.692



46, 9.486, 291.498



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, 38.794, 294.770



62, 58.428, 296.170



56, 40.148, 310.828



36, 5.854, 291.141



18, 93.615, 306.287



1, 17.439, 290.640

Inverse Universe

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



60, 44.301, 326.352



72, 64.983, 326.737



72, 38.170, 127.406



37, 7.068, 324.930



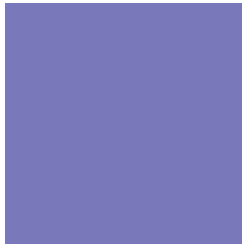
37, 80.844, 328.235



3, 21.488, 325.463

Previews

White Background



This preview shows how the CIELCh color 53, 38.795, 294.770 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, 38.795, 294.770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

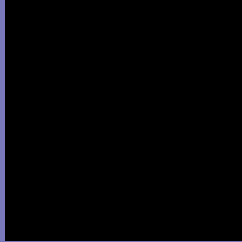
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 38.795, 294.770

Background



This preview shows how black text looks on a background with the CIELCh color 53, 38.795, 294.770.



This preview shows how white text looks on a background with the CIELCh color 53, 38.795, 294.770.

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, 38.795, 294.770

Protanopia

53, 38.956, 285.584

Deuteranopia

53, 35.130, 281.919



Tritanopia
53, 9.498, 236.498

Trichromacy



Original Color
53, 38.795, 294.770

Protanomaly
53, 38.801, 288.502

Deuteranomaly
53, 35.984, 286.601

Tritanomaly
53, 18.368, 278.095

Monochromacy



Original Color
53, 38.795, 294.770

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 13.898, 291.885

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 38.795, 294.770 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(120, 120, 187)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 187)  
}
```

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(120, 120, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 187) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 38.795, 294.770 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(120, 120, 187) }
```

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

```
.border{ border-color:rgb(120, 120, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 120, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 120, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 120, 187);  
box-shadow:4px 4px 4px 4px rgb(120, 120,  
187) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 38.795, 294.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 120, 187) }
```

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

```
.background{ background-color: rgb(120,  
120, 187) }
```

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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