

Converting Colors

CIELCh(53, 40.769, 295.012)

Have a look what the booklet for
CIELCh(53, 40.769, 295.012)
contains.

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Color

CIELCh(53, 40.503, 294.949)

Conversions

Conversions Part 1

Format	Color
Hex	7878BE
RGB	120, 120, 190
RGB Percent	47%, 47%, 75%
CMY	0.5305, 0.5305, 0.2561
CMYK	0.37, 0.37, 0.00, 0.26
HSL	240°, 35%, 61%
HSV	240°, 37%, 74%
XYZ	23.6529, 21.0462, 51.3622
YIQ	127.9800, -22.4700, 21.7700

Conversions

Conversions Part 2

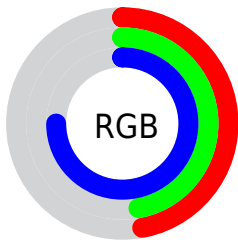
Format	Color
R_{YB}	120, 120, 190
Decimal	7895230
CIE _{Lab}	53.00, 17.08, -36.72
CIE _{LCh}	53, 40.503, 294.949
Yxy	21.0462, 0.2462, 0.2191
Android (android.graphics.Color)	4286085310 (0xFF7878BE)
YUV	127.9800, 30.5759, -6.9985
Hunter-Lab	45.8761, 11.7481, -34.2668

Details

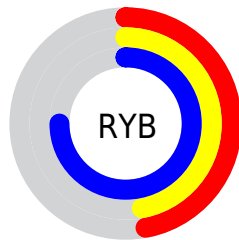
The CIELCh color $53, 40.503, 294.949$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $75, 36.916, 106.644$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 40.803, 295.267$, and $33, 40.180, 294.549$ is the 20% darker color. If you saturate the color by 10%, you get $47, 52.584, 296.782$, and if you desaturate by 10%, it is $59, 28.902, 293.364$.

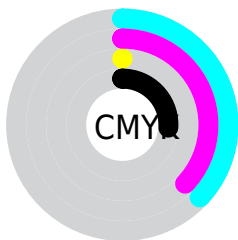
Distribution



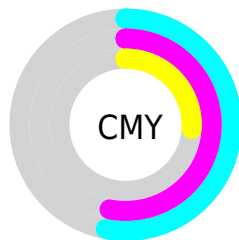
- Red (47%)
- Green (47%)
- Blue (75%)



- Red (47%)
- Yellow (47%)
- Blue (75%)



- Cyan (37%)
- Magenta (37%)
- Yellow (0%)
- Black (26%)





- Cyan (53%)
- Magenta (53%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 40.503, 294.949 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, 40.503, 294.949 by changing the saturation by 10% instead.


 53, 40.503,
294.949


 53, 40.503,
294.949


 100, 40.503,
294.949


 43, 40.503,
294.949


 73, 40.503,
294.949

 33, 40.503,
294.949

 83, 40.503,
294.949

 23, 40.503,
294.949

 93, 40.503,
294.949

 13, 40.503,
294.949

 3, 40.503, 294.949

 0, 40.503, 294.949

■ 53, 40.503,
294.949

■ 53, 40.503,
294.949

■ 47, 52.584,
296.782

■ 59, 28.902,
293.364

■ 40, 65.065,
298.841

■ 66, 17.782,
292.011

■ 35, 77.644,
301.037

■ 72, 7.115, 290.867

■ 79, 3.134, 109.864

■ 29, 89.566,
303.171

■ 85, 12.996,
109.051

■ 26, 99.412,
304.930

■ 92, 22.500,
108.346

■ 23, 105.574,
306.015

■ 98, 31.671,
107.741

■ 23, 107.123,
306.285

■ 99, 32.855,
107.677

Harmonies

Complementary

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



53, 40.503, 294.949



75, 36.916, 106.644

Rectangle

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



53, 40.503, 294.949



53, 40.503, 344.949



53, 40.503, 114.949



53, 40.503, 164.949

Sweetspot

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



53, 40.502, 294.949



89, 14.202, 291.334



72, 23.097, 196.046



46, 9.646, 291.491



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



53, 40.502, 294.949



62, 60.929, 296.362



56, 41.778, 310.347



36, 5.852, 291.130



18, 93.606, 306.284



1, 17.436, 290.633

Inverse Universe

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



58, 29.717, 22.780



69, 45.114, 24.039



73, 39.566, 126.754



37, 4.096, 19.902



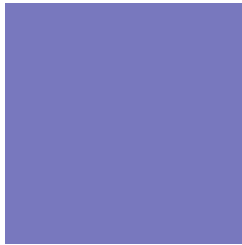
32, 72.795, 39.657



3, 12.251, 19.394

Previews

White Background



This preview shows how the CIE LCh color 53, 40.503, 294.949 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, 40.503, 294.949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

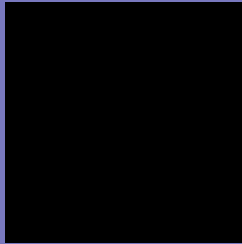
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 40.503, 294.949

Background



This preview shows how black text looks on a background with the CIELCh color 53, 40.503, 294.949.



This preview shows how white text looks on a background with the CIELCh color 53, 40.503, 294.949.

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, 40.503, 294.949

Protanopia

53, 40.108, 285.653

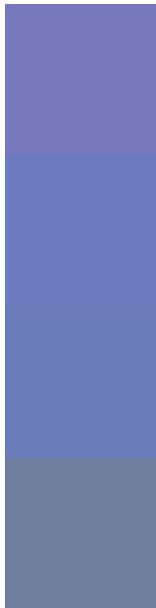
Deuteranopia

53, 36.329, 281.681



Tritanopia
53, 9.775, 235.233

Trichromacy



Original Color
53, 40.503, 294.949

Protanomaly
53, 40.550, 289.060

Deuteranomaly
53, 37.704, 286.796

Tritanomaly
53, 18.995, 277.654

Monochromacy



Original Color
53, 40.503, 294.949

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 14.475, 291.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 40.503, 294.949 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, 190)` looks like.

```
.text, #text, p{  
    color:rgb(120, 120, 190)  
}
```

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, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 120, 190) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 40.503, 294.949 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, 190) }
```

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

```
.border{ border-color:rgb(120, 120, 190) }
```

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, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 120, 190); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 120, 190); box-shadow:4px 4px 4px 4px rgb(120, 120, 190) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 40.503, 294.949 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, 190) }
```

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

```
.background{ background-color: rgb(120,  
120, 190) }
```

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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