

Converting Colors

CIELCh(53, 7.633, 311.720)

Have a look what the booklet for
CIELCh(53, 7.633, 311.720) contains.

CIELCh(53, 7.501, 312.269)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(53, 7.501, 312.269)

Conversions

Conversions Part 1

Format	Color
Hex	837C88
RGB	131, 124, 136
RGB Percent	51%, 49%, 53%
CMY	0.4860, 0.5134, 0.4664
CMYK	0.04, 0.09, 0.00, 0.47
HSL	275°, 5%, 51%
HSV	275°, 9%, 53%
XYZ	21.0391, 21.0462, 26.2753
YIQ	127.4610, 0.3200, 5.2160

Conversions

Conversions Part 2

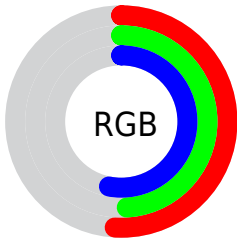
Format	Color
R_{YB}	131, 124, 136
Decimal	8617096
CIE Lab	53.00, 5.05, -5.55
CIE LCh	53, 7.501, 312.269
Yxy	21.0462, 0.3078, 0.3079
Android (android.graphics.Color)	4286807176 (0xFF837C88)
YUV	127.4610, 4.2097, 3.1037
Hunter-Lab	45.8761, 1.5783, -1.8448

Details

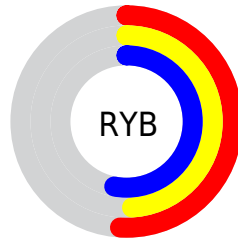
The CIELCh color $53, 7.501, 312.269$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $56, 7.421, 131.579$, and the grayscale version is $53, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 7.692, 313.257$, and $33, 7.579, 314.163$ is the 20% darker color. If you saturate the color by 10%, you get $49, 16.195, 312.706$, and if you desaturate by 10%, it is $57, 0.984, 131.989$.

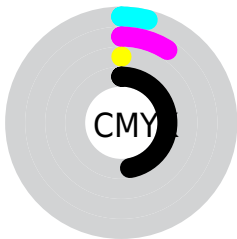
Distribution



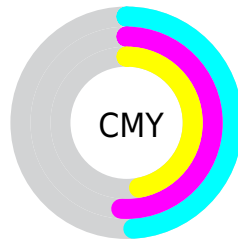
- Red (51%)
- Green (49%)
- Blue (53%)



- Red (51%)
- Yellow (49%)
- Blue (53%)



- Cyan (4%)
- Magenta (9%)
- Yellow (0%)
- Black (47%)



- Cyan (49%)
- Magenta (51%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 7.501, 312.269 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, 7.501, 312.269 by changing the saturation by 10% instead.

■ 53, 7.501, 312.269

■ 53, 7.501, 312.269

■ 100, 7.501,
312.269

■ 43, 7.501, 312.269

■ 73, 7.501, 312.269

■ 33, 7.501, 312.269

■ 83, 7.501, 312.269

■ 23, 7.501, 312.269

■ 93, 7.501, 312.269

■ 13, 7.501, 312.269

■ 3, 7.501, 312.269

■ 0, 7.501, 312.269

■ 53, 7.501, 312.269

■ 53, 7.501, 312.269

■ 49, 16.195,
312.706

■ 57, 0.984, 131.989

■ 61, 9.236, 131.520

45, 25.061,
313.161

66, 17.249,
131.180

41, 34.017,
313.620

70, 25.026,
130.877

37, 42.927,
314.061

74, 32.573,
130.608

33, 51.575,
314.446

78, 39.900,
130.370

29, 59.636,
314.723

83, 47.018,
130.161

26, 66.667,
314.821

87, 53.938,
129.978

24, 72.160,
314.656

91, 60.671,
129.819

22, 76.200,
314.267

Harmonies

Complementary

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



53, 7.501, 312.269



56, 7.421, 131.579

Rectangle

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



53, 7.501, 312.269



53, 7.501, 2.269



53, 7.501, 132.269



53, 7.501, 182.269

Sweetspot

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



53, 7.499, 312.267



70, 3.129, 312.003



54, 4.367, 263.460



37, 2.392, 312.042



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 7.499, 312.267



66, 11.574, 312.372



53, 8.044, 326.740



27, 4.848, 312.282



21, 75.251, 314.259



0, 2.226, 311.921

Inverse Universe

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



53, 5.617, 349.099



66, 8.674, 349.333



55, 8.028, 145.801



27, 3.632, 349.133



27, 51.984, 8.512



0, 1.663, 348.393

Previews

White Background



This preview shows how the CIELCh color 53, 7.501, 312.269 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, 7.501, 312.269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

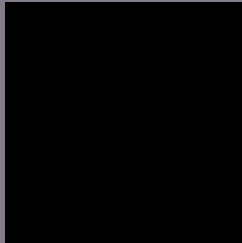
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 7.501, 312.269

Background



This preview shows how black text looks on a background with the CIELCh color 53, 7.501, 312.269.



This preview shows how white text looks on a background with the CIELCh color 53, 7.501, 312.269.

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, 7.501, 312.269

Protanopia

53, 6.368, 290.973

Deuteranopia

53, 8.711, 320.577



Tritanopia
53, 6.441, 316.012

Trichromacy



Original Color
53, 7.501, 312.269

Protanomaly
53, 7.066, 300.453

Deuteranomaly
53, 8.524, 318.264

Tritanomaly
53, 6.967, 313.993

Monochromacy



Original Color
53, 7.501, 312.269

Achromatopsia
54, 0.007, 296.813

Achromatomaly
53, 2.456, 309.161

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 7.501, 312.269 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(131, 124, 136)` looks like.

```
.text, #text, p{  
    color:rgb(131, 124, 136)  
}
```

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(131, 124, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 124, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 7.501, 312.269 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(131, 124, 136) }
```

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

```
.border{ border-color:rgb(131, 124, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 124, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 124, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 124, 136);  
box-shadow:4px 4px 4px 4px rgb(131, 124,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 7.501, 312.269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 124, 136) }
```

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

```
.background{ background-color: rgb(131,  
124, 136) }
```

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