

Converting Colors

CIELCh(53, 12.709, 171.680)

Have a look what the booklet for
CIELCh(53, 12.709, 171.680)
contains.

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Color

CIELCh(53, 13.000, 171.628)

Conversions

Conversions Part 1

Format	Color
Hex	67857B
RGB	103, 133, 123
RGB Percent	40%, 52%, 48%
CMY	0.5965, 0.4789, 0.5181
CMYK	0.23, 0.00, 0.08, 0.48
HSL	160°, 13%, 46%
HSV	160°, 23%, 52%
XYZ	17.5192, 21.0462, 21.8392
YIQ	122.8900, -14.6700, -9.4700

Conversions

Conversions Part 2

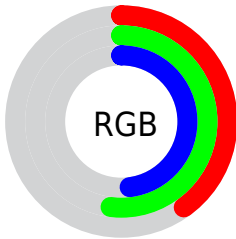
Format	Color
R_{YB}	103, 121, 133
Decimal	6784379
CIE _{Lab}	53.00, -12.86, 1.89
CIE _{LCh}	53, 13.000, 171.628
Yxy	21.0462, 0.2900, 0.3484
Android (android.graphics.Color)	4284974459 (0xFF67857B)
YUV	122.8900, 0.0542, -17.4435
Hunter-Lab	45.8761, -12.1174, 3.8884

Details

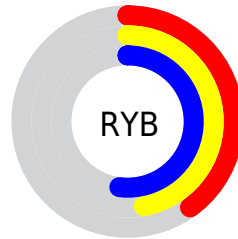
The CIELCh color $53, 13.000, 171.628$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 13.748, 355.897$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 12.881, 170.760$, and $33, 12.910, 171.441$ is the 20% darker color. If you saturate the color by 10%, you get $52, 18.510, 170.565$, and if you desaturate by 10%, it is $54, 7.305, 172.614$.

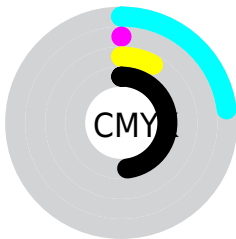
Distribution



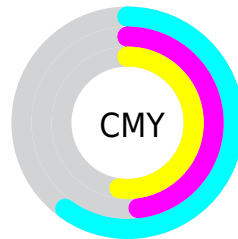
- Red (40%)
- Green (52%)
- Blue (48%)



- Red (40%)
- Yellow (47%)
- Blue (52%)



- Cyan (23%)
- Magenta (0%)
- Yellow (8%)
- Black (48%)



- Cyan (60%)
- Magenta (48%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 13.000, 171.628 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, 13.000, 171.628 by changing the saturation by 10% instead.

■ 53, 13.000,
171.628

■ 53, 13.000,
171.628

■ 100, 13.000,
171.628

■ 43, 13.000,
171.628

■ 73, 13.000,
171.628

■ 33, 13.000,
171.628

■ 83, 13.000,
171.628

■ 23, 13.000,
171.628

■ 93, 13.000,
171.628

■ 13, 13.000,
171.628

■ 3, 13.000, 171.628

■ 0, 13.000, 171.628

■ 53, 13.000,
171.628

■ 53, 13.000,
171.628

■ 52, 18.510,
170.565

■ 54, 7.305, 172.614

■ 51, 23.744,
169.409

■ 55, 1.500, 173.696

■ 56, 4.347, 354.228

■ 51, 28.611,
168.134

■ 58, 10.182,
355.066

■ 50, 33.025,
166.719

■ 59, 15.964,
355.827

■ 50, 36.917,
165.139

■ 61, 21.661,
356.546

■ 49, 40.245,
163.377

■ 62, 27.252,
357.229

■ 49, 43.012,
161.423

■ 64, 32.724,
357.881

■ 49, 44.886,

159.970

 66, 38.067,
358.506

Harmonies

Complementary

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



53, 13.000, 171.628



47, 13.748, 355.897

Rectangle

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



53, 13.000, 171.628



53, 13.000, 221.628



53, 13.000, 351.628



53, 13.000, 41.628

Sweetspot

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



53, 13.001, 171.625



70, 5.068, 173.145



53, 19.027, 133.159



36, 3.278, 173.099



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



53, 13.001, 171.625



67, 19.208, 171.101



52, 9.740, 214.158



27, 3.277, 172.950



48, 44.155, 160.021



1, 0.790, 173.699

Inverse Universe

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



47, 13.748, 355.897



58, 20.579, 356.503



48, 11.300, 34.071



26, 3.352, 354.452



27, 52.083, 16.230



0, 0.790, 353.686

Previews

White Background



This preview shows how the CIELCh color 53, 13.000, 171.628 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, 13.000, 171.628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

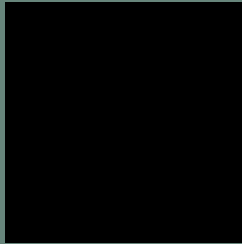
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 13.000, 171.628

Background



This preview shows how black text looks on a background with the CIELCh color 53, 13.000, 171.628.



This preview shows how white text looks on a background with the CIELCh color 53, 13.000, 171.628.

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, 13.000, 171.628

Protanopia
53, 4.342, 87.564

Deuteranopia
53, 7.116, 6.120



Tritanopia
53, 10.628, 235.708

Trichromacy



Original Color
53, 13.000, 171.628

Protanomaly
53, 6.356, 144.085

Deuteranomaly
53, 1.149, 109.993

Tritanomaly
53, 9.771, 208.775

Monochromacy



Original Color
53, 13.000, 171.628

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 4.952, 171.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 13.000, 171.628 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(103, 133, 123)` looks like.

```
.text, #text, p{  
    color:rgb(103, 133, 123)  
}
```

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(103, 133, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 133, 123) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 13.000, 171.628 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(103, 133, 123) }
```

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

```
.border{ border-color:rgb(103, 133, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 133, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 133, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 133, 123);  
box-shadow:4px 4px 4px 4px rgb(103, 133,  
123) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 13.000, 171.628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 133, 123) }
```

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

```
.background{ background-color: rgb(103,  
133, 123) }
```

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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