

Converting Colors

CIELCh(53, 11.629, 180.831)

Have a look what the booklet for
CIELCh(53, 11.629, 180.831)
contains.

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Color

CIELCh(53, 11.642, 180.810)

Conversions

Conversions Part 1

Format	Color
Hex	67847E
RGB	103, 132, 126
RGB Percent	40%, 52%, 49%
CMY	0.5944, 0.4806, 0.5042
CMYK	0.22, 0.00, 0.05, 0.48
HSL	168°, 12%, 46%
HSV	168°, 22%, 52%
XYZ	17.7456, 21.0462, 23.0110
YIQ	122.6450, -15.3580, -8.0140

Conversions

Conversions Part 2

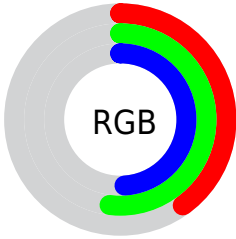
Format	Color
R_{YB}	103, 119, 132
Decimal	6784126
CIE _{Lab}	53.00, -11.64, -0.16
CIE _{LCh}	53, 11.642, 180.810
Yxy	21.0462, 0.2871, 0.3405
Android (android.graphics.Color)	4284974206 (0xFF67847E)
YUV	122.6450, 1.6540, -17.2287
Hunter-Lab	45.8761, -11.2364, 2.3741

Details

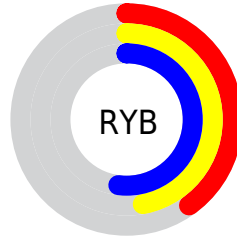
The CIELCh color $53, 11.642, 180.810$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $47, 12.659, 4.873$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 11.381, 181.842$, and $33, 11.422, 181.653$ is the 20% darker color. If you saturate the color by 10%, you get $52, 16.610, 179.832$, and if you desaturate by 10%, it is $54, 6.427, 181.744$.

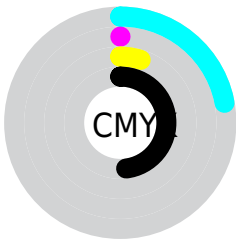
Distribution



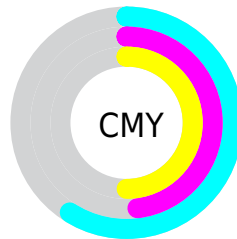
- Red (40%)
- Green (52%)
- Blue (49%)



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



- Cyan (22%)
- Magenta (0%)
- Yellow (5%)
- Black (48%)





- Cyan (59%)
- Magenta (48%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 11.642, 180.810 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, 11.642, 180.810 by changing the saturation by 10% instead.


 53, 11.642,
180.810


 53, 11.642,
180.810


 100, 11.642,
180.810


 43, 11.642,
180.810


 73, 11.642,
180.810

 33, 11.642,
180.810

 83, 11.642,
180.810

 23, 11.642,
180.810

 93, 11.642,
180.810

 13, 11.642,
180.810

 3, 11.642, 180.810

 0, 11.642, 180.810

■ 53, 11.642,
180.810

■ 53, 11.642,
180.810

■ 52, 16.610,
179.832

■ 54, 6.427, 181.744

■ 51, 21.243,
178.797

■ 55, 1.039, 182.914

■ 51, 25.458,
177.684

■ 56, 4.453, 3.301

■ 50, 29.177,
176.473

■ 58, 9.992, 4.147

■ 50, 32.339,
175.144

■ 59, 15.532, 4.932

■ 49, 34.913,
173.675

■ 60, 21.039, 5.684

■ 49, 36.908,
172.048

■ 62, 26.487, 6.410

■ 49, 38.292,

■ 64, 31.858, 7.112

■ 65, 37.139, 7.791

Harmonies

Complementary

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



53, 11.642, 180.810



47, 12.659, 4.873

Rectangle

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



53, 11.642, 180.810



53, 11.642, 230.810



53, 11.642, 0.810



53, 11.642, 50.810

Sweetspot

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



53, 11.643, 180.806



70, 4.734, 182.199



53, 19.160, 137.280



36, 3.062, 182.154



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, 11.643, 180.806



68, 17.066, 180.355



51, 8.970, 231.217



27, 3.057, 182.007



48, 37.776, 170.739



1, 0.741, 182.728

Inverse Universe

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



47, 12.659, 4.873



58, 18.920, 5.457



49, 10.175, 48.319



26, 3.163, 3.467



26, 55.324, 27.126



0, 0.741, 2.713

Previews

White Background



This preview shows how the CIELCh color 53, 11.642, 180.810 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, 11.642, 180.810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

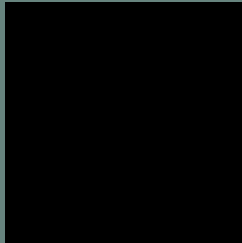
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 11.642, 180.810

Background



This preview shows how black text looks on a background with the CIELCh color 53, 11.642, 180.810.



This preview shows how white text looks on a background with the CIELCh color 53, 11.642, 180.810.

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, 11.642, 180.810

Protanopia
53, 2.098, 74.753

Deuteranopia
53, 7.260, 346.361



Tritanopia
53, 10.628, 235.708

Trichromacy



Original Color
53, 11.642, 180.810

Protanomaly
53, 3.947, 163.231

Deuteranomaly
53, 1.223, 271.544

Tritanomaly
53, 9.941, 215.529

Monochromacy



Original Color
53, 11.642, 180.810

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 4.118, 182.664

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 11.642, 180.810 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, 132, 126)` looks like.

```
.text, #text, p{  
    color:rgb(103, 132, 126)  
}
```

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, 132, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 132, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 11.642, 180.810 is called "border". The border property can be set on classes, ids or directly on the HTML element.

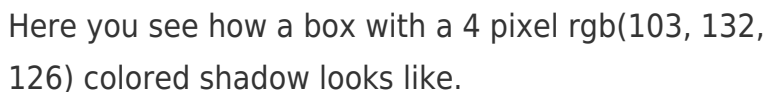
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(103, 132, 126) }
```

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

```
.border{ border-color:rgb(103, 132, 126) }
```

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



Here you see how a box with a 4 pixel `rgb(103, 132, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 132, 126); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 132, 126); box-shadow:4px 4px 4px 4px rgb(103, 132, 126) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 11.642, 180.810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 132, 126) }
```

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

```
.background{ background-color: rgb(103,  
132, 126) }
```

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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