

Converting Colors

CIELCh(53, 15.659, 136.954)

Have a look what the booklet for
CIELCh(53, 15.659, 136.954)
contains.

CIELCh(53, 15.887, 137.722)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(53, 15.887, 137.722)

Conversions

Conversions Part 1

Format	Color
Hex	71846C
RGB	113, 132, 108
RGB Percent	44%, 52%, 42%
CMY	0.5574, 0.4829, 0.5770
CMYK	0.14, 0.00, 0.18, 0.48
HSL	108°, 10%, 47%
HSV	108°, 18%, 52%
XYZ	17.7245, 21.0462, 17.2778
YIQ	123.5830, -3.6200, -11.4920

Conversions

Conversions Part 2

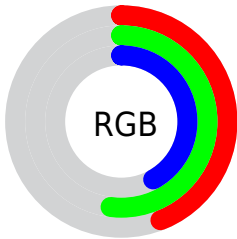
Format	Color
RYB	108, 132, 127
Decimal	7439468
CIELab	53.00, -11.75, 10.69
CIElCh	53, 15.887, 137.722
Yxy	21.0462, 0.3162, 0.3755
Android (android.graphics.Color)	4285629548 (0xFF71846C)
YUV	123.5830, -7.6824, -9.2813
Hunter-Lab	45.8761, -11.3189, 9.7835

Details

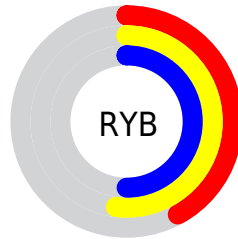
The CIELCh color $53, 15.887, 137.722$ is a dark color, and the websafe version is hex 669999 . A complement of this color would be $48, 16.030, 319.328$, and the grayscale version is $52, 0.007, 296.813$.

A 20% lighter version of the original color is $73, 16.047, 137.250$, and $33, 15.952, 138.099$ is the 20% darker color. If you saturate the color by 10%, you get $52, 24.643, 137.168$, and if you desaturate by 10%, it is $54, 7.126, 138.226$.

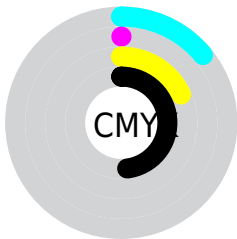
Distribution



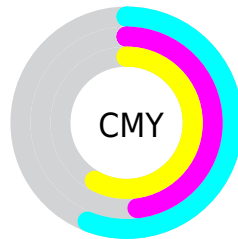
- Red (44%)
- Green (52%)
- Blue (42%)



- Red (42%)
- Yellow (52%)
- Blue (50%)



- Cyan (14%)
- Magenta (0%)
- Yellow (18%)
- Black (48%)





- Cyan (56%)
- Magenta (48%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 15.887, 137.722 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, 15.887, 137.722 by changing the saturation by 10% instead.


 53, 15.887,
137.722


 53, 15.887,
137.722


 100, 15.887,
137.722


 43, 15.887,
137.722


 73, 15.887,
137.722

 33, 15.887,
137.722

 83, 15.887,
137.722

 23, 15.887,
137.722

 93, 15.887,
137.722

 13, 15.887,
137.722

 3, 15.887, 137.722

 0, 15.887, 137.722

■ 53, 15.887,
137.722

■ 53, 15.887,
137.722

■ 52, 24.643,
137.168

■ 54, 7.126, 138.226

■ 51, 33.283,
136.562

■ 55, 1.564, 318.540

■ 50, 41.662,
135.921

■ 57, 10.127,
318.997

■ 50, 49.585,
135.284

■ 58, 18.525,
319.328

■ 49, 56.792,
134.714

■ 59, 26.732,
319.609

■ 49, 62.961,
134.309

■ 61, 34.735,
319.850


■ 48, 67.741,
134.186

■ 63, 42.525,
320.055

■ 48, 71.142,

■ 64, 50.102,
320.229

134.287

 66, 57.469,
320.378

 48, 71.717,
134.268

Harmonies

Complementary

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



53, 15.887, 137.722



48, 16.030, 319.328

Rectangle

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



53, 15.887, 137.722



53, 15.887, 187.722



53, 15.887, 317.722



53, 15.887, 7.722

Sweetspot

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



53, 15.888, 137.723



69, 5.358, 138.379



53, 11.030, 97.335



36, 3.686, 138.348



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, 15.888, 137.723



67, 23.755, 137.491



53, 13.872, 152.353



27, 4.927, 138.181



47, 70.990, 134.254



1, 1.177, 138.564

Inverse Universe

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



48, 16.030, 319.328



59, 24.010, 319.514



48, 13.965, 334.807



26, 4.955, 318.929



25, 71.485, 320.625



0, 1.177, 318.561

Previews

White Background



This preview shows how the CIELCh color 53, 15.887, 137.722 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, 15.887, 137.722 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, 15.887, 137.722

Background



This preview shows how black text looks on a background with the CIELCh color 53, 15.887, 137.722.



This preview shows how white text looks on a background with the CIELCh color 53, 15.887, 137.722.

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](#).

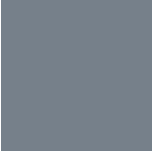
Dichromacy



Original Color
53, 15.887, 137.722

Protanopia
53, 12.446, 94.787

Deuteranopia
53, 11.701, 56.173



Tritanopia
53, 6.826, 257.356

Trichromacy



Original Color
53, 15.887, 137.722

Protanomaly
53, 12.668, 112.388

Deuteranomaly
53, 10.220, 92.162

Tritanomaly
53, 5.215, 186.085

Monochromacy



Original Color
53, 15.887, 137.722

Achromatopsia
52, 0.007, 296.813

Achromatomaly
52, 5.952, 137.862

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 15.887, 137.722 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(113, 132, 108)` looks like.

```
.text, #text, p{  
    color:rgb(113, 132, 108)  
}
```

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(113, 132, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 132, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 15.887, 137.722 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(113, 132, 108) }
```

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

```
.border{ border-color:rgb(113, 132, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 132, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 132, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 132, 108);  
box-shadow:4px 4px 4px 4px rgb(113, 132,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 15.887, 137.722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 132, 108) }
```

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

```
.background{ background-color: rgb(113,  
132, 108) }
```

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