

Converting Colors

CIELCh(53, 36.818, 116.967)

Have a look what the booklet for
CIELCh(53, 36.818, 116.967)
contains.

CIELCh(53, 36.882, 116.844)	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, 36.882, 116.844)

Conversions

Conversions Part 1

Format	Color
Hex	758544
RGB	117, 133, 68
RGB Percent	46%, 52%, 27%
CMY	0.5404, 0.4776, 0.7326
CMYK	0.12, 0.00, 0.49, 0.48
HSL	75°, 32%, 39%
HSV	75°, 49%, 52%
XYZ	16.8279, 21.0462, 8.6745
YIQ	120.8060, 11.3290, -23.6070

Conversions

Conversions Part 2

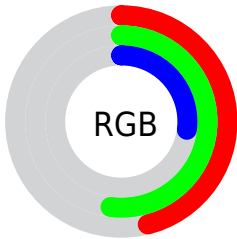
Format	Color
RYB	68, 133, 84
Decimal	7701828
CIELab	53.00, -16.65, 32.91
CIELCh	53, 36.882, 116.844
Yxy	21.0462, 0.3615, 0.4521
Android (android.graphics.Color)	4285891908 (0xFF758544)
YUV	120.8060, -26.0334, -3.3379
Hunter-Lab	45.8761, -14.8072, 20.9025

Details

The CIELCh color **53, 36.882, 116.844** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **33, 41.175, 303.732**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 36.674, 117.018**, and **33, 36.516, 116.574** is the 20% darker color. If you saturate the color by 10%, you get **53, 43.685, 116.381**, and if you desaturate by 10%, it is **53, 29.659, 117.401**.

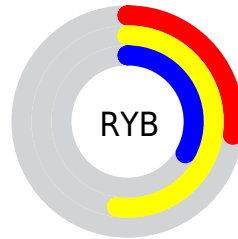
Distribution



Red (46%)

Green (52%)

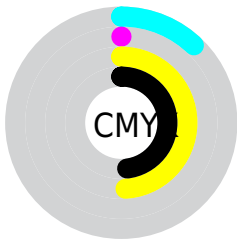
Blue (27%)



Red (27%)

Yellow (52%)

Blue (33%)

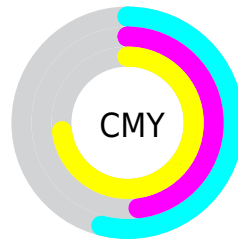


Cyan (12%)

Magenta (0%)

Yellow (49%)

Black (48%)



Cyan (54%)


Magenta (48%)


Yellow (73%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 36.882, 116.844 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, 36.882, 116.844 by changing the saturation by 10% instead.


 53, 36.882,
116.844


 53, 36.882,
116.844


 100, 36.882,
116.844

 43, 36.882,
116.844


 73, 36.882,
116.844

 33, 36.882,
116.844

 83, 36.882,
116.844

 23, 36.882,
116.844

 93, 36.882,
116.844

 13, 36.882,
116.844

 3, 36.882, 116.844

 0, 36.882, 116.844

■ 53, 36.882,
116.844

■ 53, 36.882,
116.844

■ 53, 43.685,
116.381

■ 53, 29.659,
117.401

■ 52, 49.833,
116.068

■ 54, 22.173,
118.003

■ 52, 55.026,
115.989

■ 54, 14.534,
118.621

■ 52, 58.936,
116.237

■ 55, 6.816, 119.237

■ 51, 61.692,
116.772

■ 56, 0.931, 299.809

■ 51, 62.020,
116.830

■ 56, 8.671, 300.402

■ 57, 16.379,
300.947

■ 58, 24.037,
301.458

■ 59, 31.629,
301.936

Harmonies

Complementary

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



53, 36.882, 116.844



33, 41.175, 303.732

Rectangle

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



53, 36.882, 116.844



53, 36.882, 166.844



53, 36.882, 296.844



53, 36.882, 346.844

Sweetspot

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



53, 36.883, 116.846



70, 14.389, 118.836



41, 25.827, 42.735



36, 9.772, 118.725



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, 36.883, 116.846



67, 54.186, 116.322



51, 41.765, 134.300



28, 4.348, 119.218



50, 60.945, 116.801



1, 1.045, 119.760

Inverse Universe

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



33, 41.175, 303.732



38, 62.605, 304.947



37, 42.989, 318.753



26, 4.430, 300.332



15, 79.213, 307.933



0, 1.045, 299.760

Previews

White Background



This preview shows how the CIELCh color 53, 36.882, 116.844 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, 36.882, 116.844 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

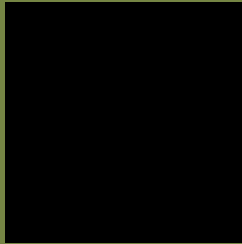
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 36.882, 116.844

Background



This preview shows how black text looks on a background with the CIELCh color 53, 36.882, 116.844.



This preview shows how white text looks on a background with the CIELCh color 53, 36.882, 116.844.

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, 36.882, 116.844

Protanopia

53, 34.347, 95.758

Deuteranopia

53, 32.560, 77.434



Tritanopia
53, 5.796, 287.101

Trichromacy



Original Color
53, 36.882, 116.844

Protanomaly
53, 34.713, 104.268

Deuteranomaly
53, 32.082, 92.871

Tritanomaly
53, 10.765, 124.428

Monochromacy



Original Color
53, 36.882, 116.844

Achromatopsia
51, 0.007, 296.813

Achromatomaly
51, 13.448, 117.497

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 36.882, 116.844 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(117, 133, 68)` looks like.

```
.text, #text, p{  
    color:rgb(117, 133, 68)  
}
```

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(117, 133, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 133, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 36.882, 116.844 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(117, 133, 68) }
```

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

```
.border{ border-color:rgb(117, 133, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 133, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 133, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 133, 68);  
box-shadow:4px 4px 4px 4px rgb(117, 133,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 36.882, 116.844 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 133, 68) }
```

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

```
.background{ background-color: rgb(117,  
133, 68) }
```

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