

Converting Colors

CIELCh(53, 36.300, 121.178)

Have a look what the booklet for
CIELCh(53, 36.300, 121.178)
contains.

CIELCh(53, 35.983, 121.484)	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, 35.983, 121.484)

Conversions

Conversions Part 1

Format	Color
Hex	708648
RGB	112, 134, 72
RGB Percent	44%, 53%, 28%
CMY	0.5599, 0.4736, 0.7168
CMYK	0.16, 0.00, 0.46, 0.47
HSL	81°, 30%, 40%
HSV	81°, 46%, 53%
XYZ	16.4464, 21.0462, 9.3638
YIQ	120.3540, 6.7900, -23.9460

Conversions

Conversions Part 2

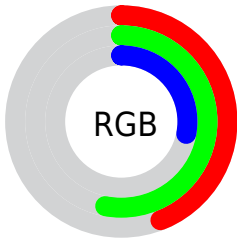
Format	Color
RYB	72, 134, 94
Decimal	7374408
CIELab	53.00, -18.79, 30.69
CIELCh	53, 35.983, 121.484
Yxy	21.0462, 0.3510, 0.4492
Android (android.graphics.Color)	4285564488 (0xFF708648)
YUV	120.3540, -23.8385, -7.3265
Hunter-Lab	45.8761, -16.2916, 20.0115

Details

The CIELCh color **53, 35.983, 121.484** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **36, 39.304, 306.786**, and the grayscale version is **51, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 35.702, 121.350**, and **33, 36.008, 121.542** is the 20% darker color. If you saturate the color by 10%, you get **52, 43.152, 121.077**, and if you desaturate by 10%, it is **54, 28.451, 121.972**.

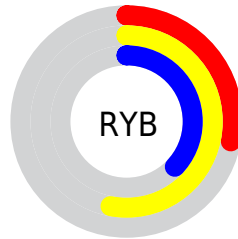
Distribution



Red (44%)

Green (53%)

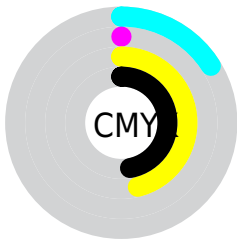
Blue (28%)



Red (28%)

Yellow (53%)

Blue (37%)

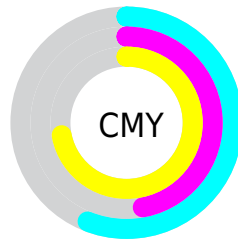


Cyan (16%)

Magenta (0%)

Yellow (46%)

Black (47%)



Cyan (56%)


Magenta (47%)


Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 35.983, 121.484 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, 35.983, 121.484 by changing the saturation by 10% instead.


 53, 35.983,
121.484


 53, 35.983,
121.484

 100, 35.983,
121.484


 43, 35.983,
121.484


 73, 35.983,
121.484

 33, 35.983,
121.484

 83, 35.983,
121.484

 23, 35.983,
121.484

 93, 35.983,
121.484

 13, 35.983,
121.484

 3, 35.983, 121.484

 0, 35.983, 121.484

■ 53, 35.983,
121.484

■ 53, 35.983,
121.484

■ 52, 43.152,
121.077

■ 54, 28.451,
121.972

■ 52, 49.745,
120.810

■ 54, 20.699,
122.493

■ 52, 55.479,
120.773

■ 55, 12.828,
123.022

■ 51, 60.024,
121.071

■ 56, 4.907, 123.545

■ 51, 63.234,
121.754

■ 56, 3.015, 304.012

■ 51, 64.374,
122.010

■ 57, 10.905,
304.491

■ 58, 18.738,
304.928

■ 59, 26.494,
305.331

■ 60, 34.161,
305.703

Harmonies

Complementary

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



53, 35.983, 121.484



36, 39.304, 306.786

Rectangle

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



53, 35.983, 121.484



53, 35.983, 171.484



53, 35.983, 301.484



53, 35.983, 351.484

Sweetspot

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



53, 35.984, 121.486



70, 13.666, 123.122



44, 23.380, 54.317



36, 9.393, 123.024



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, 35.984, 121.486



67, 52.052, 121.077



51, 41.331, 137.539



28, 4.421, 123.393



49, 62.894, 121.962



1, 1.062, 123.844

Inverse Universe

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



36, 39.304, 306.786



41, 58.221, 307.549



39, 41.826, 322.274



26, 4.495, 304.312



16, 77.738, 309.409



0, 1.062, 303.842

Previews

White Background



This preview shows how the CIE LCh color 53, 35.983, 121.484 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, 35.983, 121.484 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

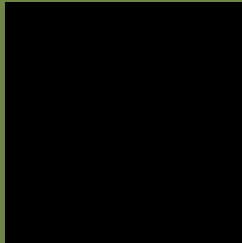
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 35.983, 121.484

Background



This preview shows how black text looks on a background with the CIELCh color 53, 35.983, 121.484.



This preview shows how white text looks on a background with the CIELCh color 53, 35.983, 121.484.

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, 35.983, 121.484

Protanopia

53, 32.779, 95.522

Deuteranopia

53, 30.026, 77.392



Tritanopia
53, 6.175, 269.202

Trichromacy



Original Color
53, 35.983, 121.484

Protanomaly
53, 33.124, 105.975

Deuteranomaly
53, 29.495, 95.777

Tritanomaly
53, 10.980, 135.380

Monochromacy



Original Color
53, 35.983, 121.484

Achromatopsia
51, 0.007, 296.813

Achromatomaly
52, 13.702, 122.652

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 35.983, 121.484 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(112, 134, 72)` looks like.

```
.text, #text, p{  
    color:rgb(112, 134, 72)  
}
```

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(112, 134, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 134, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 35.983, 121.484 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(112, 134, 72) }
```

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

```
.border{ border-color:rgb(112, 134, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 134, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 134, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 134, 72);  
box-shadow:4px 4px 4px 4px rgb(112, 134,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 35.983, 121.484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 134, 72) }
```

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

```
.background{ background-color: rgb(112,  
134, 72) }
```

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