

Converting Colors

CIELCh(53, 33.633, 133.247)

Have a look what the booklet for
CIELCh(53, 33.633, 133.247)
contains.

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Color

CIELCh(53, 33.633, 133.247)

Conversions

Conversions Part 1

Format	Color
Hex	648853
RGB	100, 136, 83
RGB Percent	39%, 53%, 33%
CMY	0.6067, 0.4655, 0.6734
CMYK	0.26, 0.00, 0.39, 0.47
HSL	101°, 24%, 43%
HSV	101°, 39%, 53%
XYZ	15.7051, 21.0462, 11.4739
YIQ	119.1940, -4.4430, -24.1150

Conversions

Conversions Part 2

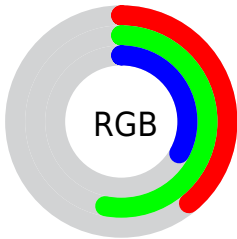
Format	Color
R_{YB}	83, 136, 119
Decimal	6588499
CIE _{Lab}	53.00, -23.04, 24.50
CIE _{LCh}	53, 33.633, 133.247
Yxy	21.0462, 0.3257, 0.4364
Android (android.graphics.Color)	4284778579 (0xFF648853)
YUV	119.1940, -17.8436, -16.8331
Hunter-Lab	45.8761, -19.1762, 17.2845

Details

The CIELCh color **53, 33.633, 133.247** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **41, 34.676, 316.683**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **73, 33.994, 133.279**, and **33, 33.587, 133.475** is the 20% darker color. If you saturate the color by 10%, you get **52, 41.940, 132.727**, and if you desaturate by 10%, it is **54, 25.075, 133.768**.

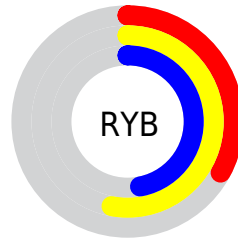
Distribution



Red (39%)

Green (53%)

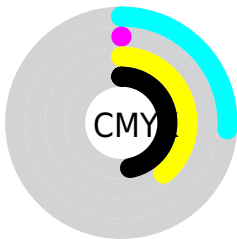
Blue (33%)



Red (33%)

Yellow (53%)

Blue (47%)

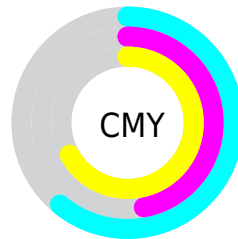


Cyan (26%)

Magenta (0%)

Yellow (39%)

Black (47%)



Cyan (61%)


Magenta (47%)


Yellow (67%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 33.633, 133.247 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, 33.633, 133.247 by changing the saturation by 10% instead.


 53, 33.633,
133.247


 53, 33.633,
133.247


 100, 33.633,
133.247


 43, 33.633,
133.247


 73, 33.633,
133.247

 33, 33.633,
133.247

 83, 33.633,
133.247

 23, 33.633,
133.247

 93, 33.633,
133.247

 13, 33.633,
133.247

 3, 33.633, 133.247

 0, 33.633, 133.247

■ 53, 33.633,
133.247

■ 53, 33.633,
133.247

■ 52, 41.940,
132.727

■ 54, 25.075,
133.768

■ 52, 49.805,
132.249

■ 55, 16.396,
134.263

■ 51, 56.977,
131.888

■ 56, 7.697, 134.724

■ 51, 63.131,
131.746

■ 57, 0.953, 314.976

■ 58, 9.503, 315.462

■ 50, 67.919,
131.939

■ 59, 17.918,
315.786

■ 50, 71.421,
132.386

■ 61, 26.175,
316.066

■ 50, 71.793,
132.417

■ 62, 34.257,
316.309

■ 64, 42.156,
316.519

Harmonies

Complementary

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



53, 33.633, 133.247



41, 34.676, 316.683

Rectangle

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



53, 33.633, 133.247



53, 33.633, 183.247



53, 33.633, 313.247



53, 33.633, 3.247

Sweetspot

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



53, 33.634, 133.248



70, 12.800, 134.572



51, 22.033, 86.230



37, 8.560, 134.523



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



53, 33.634, 133.248



66, 49.702, 132.772



52, 33.081, 146.401



29, 4.921, 134.712



48, 70.346, 132.381



1, 2.281, 135.072

Inverse Universe

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



41, 34.676, 316.683



49, 51.588, 317.036



43, 33.136, 331.746



27, 4.962, 315.422



23, 73.856, 316.983



0, 2.282, 315.069

Previews

White Background



This preview shows how the CIELCh color 53, 33.633, 133.247 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, 33.633, 133.247 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

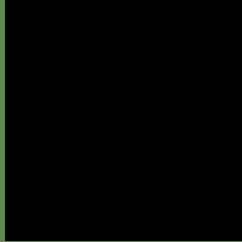
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 33.633, 133.247

Background



This preview shows how black text looks on a background with the CIELCh color 53, 33.633, 133.247.



This preview shows how white text looks on a background with the CIELCh color 53, 33.633, 133.247.

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, 33.633, 133.247

Protanopia

53, 27.242, 96.224

Deuteranopia

53, 24.056, 73.390



Tritanopia
53, 9.498, 236.498

Trichromacy



Original Color
53, 33.633, 133.247

Protanomaly
53, 27.858, 112.149

Deuteranomaly
53, 23.551, 100.695

Tritanomaly
53, 12.758, 162.008

Monochromacy



Original Color
53, 33.633, 133.247

Achromatopsia
50, 0.007, 296.813

Achromatomaly
51, 12.290, 134.602

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 33.633, 133.247 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(100, 136, 83)` looks like.

```
.text, #text, p{  
    color:rgb(100, 136, 83)  
}
```

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(100, 136, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 136, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 33.633, 133.247 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(100, 136, 83) }
```

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

```
.border{ border-color:rgb(100, 136, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 136, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 136, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 136, 83);  
box-shadow:4px 4px 4px 4px rgb(100, 136,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 53, 33.633, 133.247 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 136, 83) }
```

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

```
.background{ background-color: rgb(100,  
136, 83) }
```

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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