

Converting Colors

CIELCh(53, 66.889, 143.555)

Have a look what the booklet for
CIELCh(53, 66.889, 143.555)
contains.

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Color

CIELCh(53, 66.930, 143.328)

Conversions

Conversions Part 1

Format	Color
Hex	009334
RGB	0, 147, 52
RGB Percent	0%, 58%, 20%
CMY	1.0000, 0.4243, 0.7968
CMYK	1.00, 0.00, 0.65, 0.42
HSL	141°, 100%, 29%
HSV	141°, 100%, 58%
XYZ	11.0094, 21.0462, 6.7086
YIQ	92.2170, -57.1170, -60.7090

Conversions

Conversions Part 2

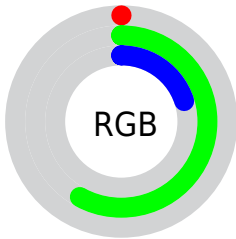
Format	Color
RYB	0, 109, 147
Decimal	37684
CIELab	53.00, -53.68, 39.97
CIELCh	53, 66.930, 143.328
Yxy	21.0462, 0.2840, 0.5429
Android (android.graphics.Color)	4278227764 (0xFF009334)
YUV	92.2170, -19.8270, -80.8743
Hunter-Lab	45.8761, -37.4467, 23.4432

Details

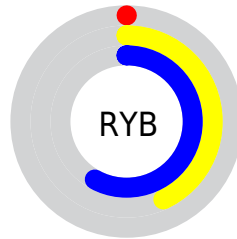
The CIELCh color **53, 66.930, 143.328** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **32, 59.479, 348.465**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 66.867, 143.192**, and **34, 58.152, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **53, 66.901, 143.303**, and if you desaturate by 10%, it is **53, 62.626, 145.221**.

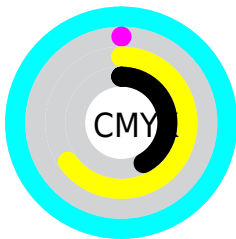
Distribution



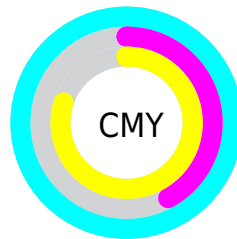
- Red (0%)
- Green (58%)
- Blue (20%)



- Red (0%)
- Yellow (43%)
- Blue (58%)



- Cyan (100%)
- Magenta (0%)
- Yellow (65%)
- Black (42%)





- Cyan (100%)
- Magenta (42%)
- Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 66.930, 143.328 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, 66.930, 143.328 by changing the saturation by 10% instead.

 53, 66.930,
143.328


 53, 66.930,
143.328


 100, 66.930,
143.328


 43, 66.930,
143.328


 73, 66.930,
143.328

 33, 66.930,
143.328

 83, 66.930,
143.328

 23, 66.930,
143.328

 93, 66.930,
143.328

 13, 66.930,
143.328

 3, 66.930, 143.328

 0, 66.930, 143.328

■ 53, 66.930,
143.328

■ 53, 66.930,
143.328

■ 53, 66.901,
143.303

■ 53, 62.626,
145.221

■ 54, 57.698,
147.132

■ 54, 52.016,
148.877

■ 55, 45.652,
150.436

■ 55, 38.714,
151.812

■ 56, 31.336,
153.017

■ 57, 23.654,
154.072

■ 58, 15.798,

154.999

■ 59, 7.881, 155.827

Harmonies

Complementary

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



53, 66.930, 143.328



32, 59.479, 348.465

Rectangle

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



53, 66.930, 143.328



53, 66.930, 193.328



53, 66.930, 323.328



53, 66.930, 13.328

Sweetspot

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



53, 66.901, 143.303



73, 29.341, 154.010



55, 68.660, 121.924



38, 20.136, 153.619



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



53, 66.901, 143.303



68, 82.191, 142.832



54, 38.563, 176.533



31, 4.477, 155.890



50, 63.665, 143.436



2, 3.909, 156.514

Inverse Universe

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



32, 59.479, 348.465



42, 72.017, 349.041



30, 63.010, 31.941



29, 4.506, 337.114



30, 56.834, 348.307



1, 3.910, 336.506

Previews

White Background



This preview shows how the CIELCh color 53, 66.930, 143.328 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, 66.930, 143.328 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, 66.930, 143.328

Background



This preview shows how black text looks on a background with the CIELCh color 53, 66.930, 143.328.



This preview shows how white text looks on a background with the CIELCh color 53, 66.930, 143.328.

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, 66.930, 143.328

Protanopia

53, 44.290, 95.344

Deuteranopia

53, 38.188, 80.043



Tritanopia
53, 24.251, 214.111

Trichromacy



Original Color
53, 66.930, 143.328



Protanomaly
51, 50.442, 126.797



Deuteranomaly
51, 42.725, 123.835



Tritanomaly
53, 36.200, 170.299

Monochromacy



Original Color
53, 66.930, 143.328



Achromatopsia
39, 0.006, 296.813



Achromatomaly
43, 29.822, 151.762

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 66.930, 143.328 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(0, 147, 52)` looks like.

```
.text, #text, p{  
    color:rgb(0, 147, 52)  
}
```

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(0, 147, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 147, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 66.930, 143.328 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(0, 147, 52) }
```

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

```
.border{ border-color:rgb(0, 147, 52) }
```

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

Here you see how a box with a 4 pixel rgb(0, 147, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 147, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 147, 52);  
box-shadow:4px 4px 4px 4px rgb(0, 147, 52)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 66.930, 143.328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 147, 52) }
```

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

```
.background{ background-color: rgb(0, 147,  
52) }
```

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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