

Converting Colors

CIELCh(53, 67.182, 142.539)

Have a look what the booklet for
CIELCh(53, 67.182, 142.539)
contains.

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Color

CIELCh(53, 67.310, 142.542)

Conversions

Conversions Part 1

Format	Color
Hex	079332
RGB	7, 147, 50
RGB Percent	3%, 58%, 20%
CMY	0.9727, 0.4247, 0.8050
CMYK	0.95, 0.00, 0.66, 0.42
HSL	138°, 91%, 30%
HSV	138°, 95%, 58%
XYZ	11.0435, 21.0462, 6.4660
YIQ	94.0820, -52.3030, -59.8470

Conversions

Conversions Part 2

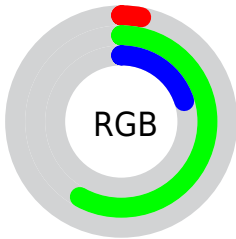
Format	Color
RYB	7, 114, 147
Decimal	496434
CIELab	53.00, -53.43, 40.94
CIElCh	53, 67.310, 142.542
Yxy	21.0462, 0.2864, 0.5459
Android (android.graphics.Color)	4278686514 (0xFF079332)
YUV	94.0820, -21.7324, -76.3709
Hunter-Lab	45.8761, -37.3138, 23.7566

Details

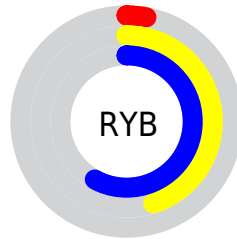
The CIELCh color **53, 67.310, 142.542** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **33, 60.591, 344.090**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 67.104, 142.788**, and **34, 58.152, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **53, 69.308, 141.722**, and if you desaturate by 10%, it is **53, 62.677, 144.427**.

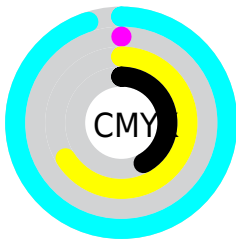
Distribution



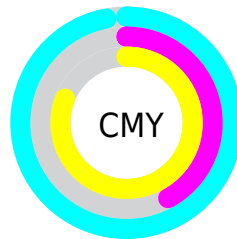
- Red (3%)
- Green (58%)
- Blue (20%)



- Red (3%)
- Yellow (45%)
- Blue (58%)



- Cyan (95%)
- Magenta (0%)
- Yellow (66%)
- Black (42%)





- Cyan (97%)
- Magenta (42%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 67.310, 142.542 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, 67.310, 142.542 by changing the saturation by 10% instead.


 53, 67.310,
142.542

 53, 67.310,
142.542


 100, 67.310,
142.542


 43, 67.310,
142.542


 73, 67.310,
142.542

 33, 67.310,
142.542

 83, 67.310,
142.542

 23, 67.310,
142.542

 93, 67.310,
142.542

 13, 67.310,
142.542

 3, 67.310, 142.542

 0, 67.310, 142.542

■ 53, 67.310,
142.542

■ 53, 67.310,
142.542

■ 53, 69.308,
141.722

■ 53, 62.677,
144.427

■ 54, 57.205,
146.208

■ 54, 50.952,
147.828

■ 55, 44.028,
149.271

■ 56, 36.573,
150.538

■ 56, 28.733,
151.646

■ 58, 20.654,
152.613

■ 59, 12.463,

153.462

■ 60, 4.268, 154.240

Harmonies

Complementary

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



53, 67.310, 142.542



33, 60.591, 344.090

Rectangle

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



53, 67.310, 142.542



53, 67.310, 192.542



53, 67.310, 322.542



53, 67.310, 12.542

Sweetspot

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



53, 67.310, 142.542



73, 29.421, 152.208



56, 66.249, 119.281



38, 20.315, 151.825



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, 67.310, 142.542



68, 85.157, 141.277



54, 40.167, 172.001



31, 4.636, 153.933



50, 65.996, 141.847



2, 4.045, 154.532

Inverse Universe

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



33, 60.591, 344.090



42, 74.036, 345.381



31, 58.818, 26.144



29, 4.660, 335.106



30, 58.425, 344.793



1, 4.046, 334.525

Previews

White Background



This preview shows how the CIELCh color 53, 67.310, 142.542 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, 67.310, 142.542 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, 67.310, 142.542

Background



This preview shows how black text looks on a background with the CIELCh color 53, 67.310, 142.542.



This preview shows how white text looks on a background with the CIELCh color 53, 67.310, 142.542.

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, 67.353, 142.580

Protanopia

53, 45.178, 95.398

Deuteranopia

53, 39.148, 80.512



Tritanopia
53, 24.021, 212.818

Trichromacy



Original Color
53, 67.353, 142.580



Protanomaly
51, 50.943, 125.552



Deuteranomaly
51, 43.370, 122.309

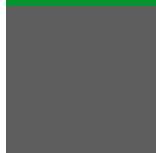


Tritanomaly
53, 36.469, 168.480

Monochromacy



Original Color
53, 67.353, 142.580



Achromatopsia
40, 0.006, 296.813



Achromatomaly
43, 29.314, 150.987

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 67.310, 142.542 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(7, 147, 50)` looks like.

```
.text, #text, p{  
    color:rgb(7, 147, 50)  
}
```

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(7, 147, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 147, 50) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 67.310, 142.542 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(7, 147, 50) }
```

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

```
.border{ border-color:rgb(7, 147, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(7, 147, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 147, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 147, 50);  
box-shadow:4px 4px 4px 4px rgb(7, 147, 50)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 67.310, 142.542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 147, 50) }
```

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

```
.background{ background-color: rgb(7, 147,  
50) }
```

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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