

Converting Colors

CIELCh(53, 70.374, 128.869)

Have a look what the booklet for
CIELCh(53, 70.374, 128.869)
contains.

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Color

CIELCh(53, 70.167, 128.690)

Conversions

Conversions Part 1

Format	Color
Hex	458F07
RGB	69, 143, 7
RGB Percent	27%, 56%, 3%
CMY	0.7279, 0.4378, 0.9737
CMYK	0.52, 0.00, 0.95, 0.44
HSL	92°, 91%, 29%
HSV	92°, 95%, 56%
XYZ	12.3945, 21.0462, 3.6010
YIQ	105.3700, -0.4480, -57.9840

Conversions

Conversions Part 2

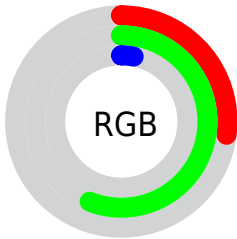
Format	Color
RYB	7, 143, 81
Decimal	4558599
CIELab	53.00, -43.86, 54.77
CIElCh	53, 70.167, 128.690
Yxy	21.0462, 0.3346, 0.5682
Android (android.graphics.Color)	4282748679 (0xFF458F07)
YUV	105.3700, -48.4964, -31.8965
Hunter-Lab	45.8761, -32.0573, 27.4594

Details

The CIELCh color **53, 70.167, 128.690** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **23, 78.401, 313.264**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 69.754, 128.762**, and **33, 56.868, 136.016** is the 20% darker color. If you saturate the color by 10%, you get **53, 71.735, 129.015**, and if you desaturate by 10%, it is **53, 66.370, 127.995**.

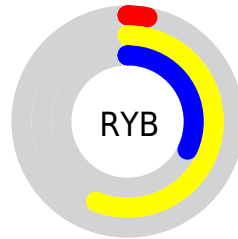
Distribution



Red (27%)

Green (56%)

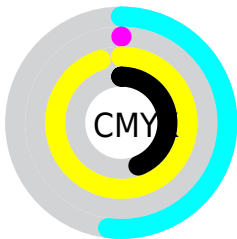
Blue (3%)



Red (3%)

Yellow (56%)

Blue (32%)

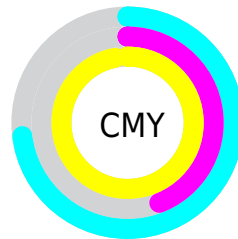


Cyan (52%)

Magenta (0%)

Yellow (95%)

Black (44%)



Cyan (73%)


Magenta (44%)


Yellow (97%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 53, 70.167, 128.690 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, 70.167, 128.690 by changing the saturation by 10% instead.


 53, 70.167,
128.690


 53, 70.167,
128.690


 100, 70.167,
128.690


 43, 70.167,
128.690


 73, 70.167,
128.690

 33, 70.167,
128.690

 83, 70.167,
128.690

 23, 70.167,
128.690

 93, 70.167,
128.690

 13, 70.167,
128.690

 3, 70.167, 128.690

 0, 70.167, 128.690

■ 53, 70.167,
128.690

■ 53, 70.167,
128.690

■ 53, 71.735,
129.015

■ 53, 66.370,
127.995

■ 54, 61.075,
127.718

■ 54, 54.530,
127.778

■ 55, 47.090,
128.056

■ 56, 39.056,
128.457

■ 56, 30.655,
128.915

■ 57, 22.047,
129.388

■ 58, 13.344,

129.851

■ 59, 4.626, 130.301

Harmonies

Complementary

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



53, 70.167, 128.690



23, 78.401, 313.264

Rectangle

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



53, 70.167, 128.690



53, 70.167, 178.690



53, 70.167, 308.690



53, 70.167, 358.690

Sweetspot

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



53, 70.167, 128.691



72, 31.207, 129.186



41, 52.601, 65.127



38, 21.553, 129.004



88, 0.010, 296.813



40, 0.006, 296.813

Same Dimension

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



53, 70.167, 128.691



67, 87.255, 129.352



52, 76.114, 136.608



30, 4.892, 130.128



50, 68.664, 128.927



2, 3.306, 130.497

Inverse Universe

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



23, 78.401, 313.264



30, 97.637, 312.871



34, 72.414, 329.479



28, 4.951, 310.868



21, 76.974, 313.166



0, 3.306, 310.495

Previews

White Background



This preview shows how the CIELCh color 53, 70.167, 128.690 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, 70.167, 128.690 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, 70.167, 128.690

Background



This preview shows how black text looks on a background with the CIELCh color 53, 70.167, 128.690.



This preview shows how white text looks on a background with the CIELCh color 53, 70.167, 128.690.

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, 70.019, 128.759

Protanopia
53, 58.030, 95.212

Deuteranopia
52, 51.497, 82.351



Tritanopia
53, 16.159, 221.456

Trichromacy



Original Color
53, 70.019, 128.759

Protanomaly
52, 59.657, 110.105

Deuteranomaly
52, 53.510, 104.420

Tritanomaly
52, 32.976, 147.966

Monochromacy



Original Color
53, 70.019, 128.759

Achromatopsia
45, 0.006, 296.813

Achromatomaly
47, 31.133, 128.609

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 70.167, 128.690 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(69, 143, 7)` looks like.

```
.text, #text, p{  
    color:rgb(69, 143, 7)  
}
```

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(69, 143, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 143, 7) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 70.167, 128.690 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(69, 143, 7) }
```

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

```
.border{ border-color:rgb(69, 143, 7) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 143, 7)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 143, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 143, 7);  
box-shadow:4px 4px 4px 4px rgb(69, 143, 7)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 70.167, 128.690 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 143, 7) }
```

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

```
.background{ background-color: rgb(69, 143,  
7) }
```

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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