

Converting Colors

CIELCh(53, 80.037, 120.236)

Have a look what the booklet for
CIELCh(53, 80.037, 120.236)
contains.

CIELCh(53, 68.417, 124.624)	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, 68.417, 124.624)

Conversions

Conversions Part 1

Format	Color
Hex	538E00
RGB	83, 142, 0
RGB Percent	33%, 56%, 0%
CMY	0.6761, 0.4447, 1.0000
CMYK	0.42, 0.00, 1.00, 0.44
HSL	85°, 100%, 28%
HSV	85°, 100%, 56%
XYZ	13.1405, 21.0462, 3.3493
YIQ	108.1710, 10.4180, -56.6700

Conversions

Conversions Part 2

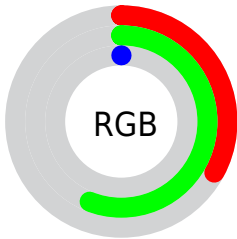
Format	Color
RYB	0, 142, 59
Decimal	5475840
CIELab	53.00, -38.87, 56.30
CIELCh	53, 68.417, 124.624
Yxy	21.0462, 0.3501, 0.5607
Android (android.graphics.Color)	4283665920 (0xFF538E00)
YUV	108.1710, -53.3283, -22.0750
Hunter-Lab	45.8761, -29.1547, 27.7847

Details

The CIELCh color **53, 68.417, 124.624** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **20, 81.761, 310.406**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **73, 68.350, 124.644**, and **33, 53.932, 132.486** is the 20% darker color. If you saturate the color by 10%, you get **53, 68.305, 124.672**, and if you desaturate by 10%, it is **53, 65.144, 123.872**.

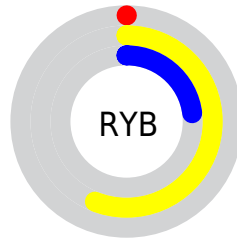
Distribution



Red (33%)

Green (56%)

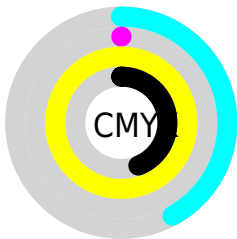
Blue (0%)



Red (0%)

Yellow (56%)

Blue (23%)

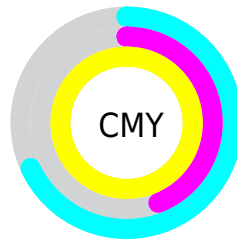


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (68%)

Magenta (44%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 53, 68.417, 124.624 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, 68.417, 124.624 by changing the saturation by 10% instead.


 53, 68.417,
124.624


 53, 68.417,
124.624


 100, 68.417,
124.624

 43, 68.417,
124.624


 73, 68.417,
124.624

 33, 68.417,
124.624

 83, 68.417,
124.624

 23, 68.417,
124.624

 93, 68.417,
124.624

 13, 68.417,
124.624

 3, 68.417, 124.624

 0, 68.417, 124.624

■ 53, 68.417,
124.624

■ 53, 68.417,
124.624

■ 53, 68.305,
124.672

■ 53, 65.144,
123.872

■ 54, 60.851,
123.361

■ 54, 55.184,
123.244

■ 55, 48.481,
123.405

■ 55, 41.067,
123.744

■ 56, 33.195,
124.181

■ 56, 25.045,
124.665

■ 57, 16.742,

125.162

■ 58, 8.371, 125.654

Harmonies

Complementary

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



53, 68.417, 124.624



20, 81.761, 310.406

Rectangle

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



53, 68.417, 124.624



53, 68.417, 174.624



53, 68.417, 304.624



53, 68.417, 354.624

Sweetspot

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



53, 68.305, 124.672



72, 30.950, 124.634



36, 56.885, 55.126



37, 21.002, 124.453



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



53, 68.305, 124.672



67, 82.926, 125.014



51, 76.800, 135.537



30, 4.758, 125.693



51, 65.991, 124.601



2, 3.220, 126.110

Inverse Universe

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



20, 81.761, 310.406



27, 99.226, 310.178



31, 74.966, 325.056



28, 4.831, 306.540



18, 78.996, 310.454



0, 3.221, 306.109

Previews

White Background



This preview shows how the CIELCh color 53, 68.417, 124.624 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, 68.417, 124.624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

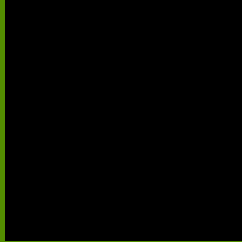
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 53, 68.417, 124.624

Background



This preview shows how black text looks on a background with the CIELCh color 53, 68.417, 124.624.



This preview shows how white text looks on a background with the CIELCh color 53, 68.417, 124.624.

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, 68.417, 124.624

Protanopia

53, 58.030, 95.212

Deuteranopia

53, 52.541, 82.698



Tritanopia
53, 12.905, 225.186

Trichromacy



Original Color
53, 68.417, 124.624

Protanomaly
52, 59.776, 108.268

Deuteranomaly
52, 54.597, 101.775

Tritanomaly
52, 31.023, 140.571

Monochromacy



Original Color
53, 68.417, 124.624

Achromatopsia
46, 0.006, 296.813

Achromatomaly
48, 30.712, 123.904

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 53, 68.417, 124.624 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(83, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(83, 142, 0)  
}
```

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(83, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 142, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 53, 68.417, 124.624 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(83, 142, 0) }
```

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

```
.border{ border-color:rgb(83, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(83, 142, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 53, 68.417, 124.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 142, 0) }
```

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

```
.background{ background-color: rgb(83, 142,  
0) }
```

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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