

Converting Colors

CIELCh(54, 29.473, 123.351)

Have a look what the booklet for
CIELCh(54, 29.473, 123.351)
contains.

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Color

CIELCh(54, 29.477, 123.700)

Conversions

Conversions Part 1

Format	Color
Hex	748856
RGB	116, 136, 86
RGB Percent	45%, 53%, 34%
CMY	0.5453, 0.4669, 0.6629
CMYK	0.15, 0.00, 0.37, 0.47
HSL	84°, 23%, 44%
HSV	84°, 37%, 53%
XYZ	17.6705, 21.9746, 12.1042
YIQ	124.3200, 4.1300, -19.7900

Conversions

Conversions Part 2

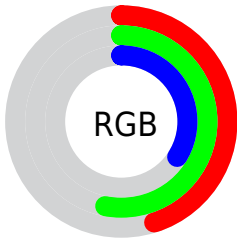
Format	Color
RYB	86, 136, 106
Decimal	7637078
CIELab	54.00, -16.36, 24.52
CIElCh	54, 29.477, 123.700
Yxy	21.9746, 0.3415, 0.4246
Android (android.graphics.Color)	4285827158 (0xFF748856)
YUV	124.3200, -18.8918, -7.2966
Hunter-Lab	46.8770, -14.7485, 17.5045

Details

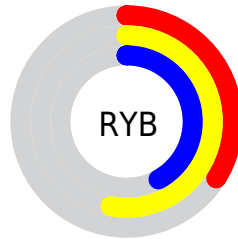
The CIELCh color **54, 29.477, 123.700** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **40, 31.378, 307.568**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **74, 29.394, 123.228**, and **34, 29.100, 123.578** is the 20% darker color. If you saturate the color by 10%, you get **53, 37.163, 123.240**, and if you desaturate by 10%, it is **55, 21.569, 124.198**.

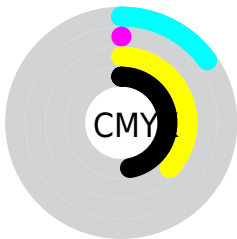
Distribution



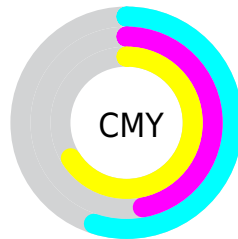
- Red (45%)
- Green (53%)
- Blue (34%)



- Red (34%)
- Yellow (53%)
- Blue (42%)



- Cyan (15%)
- Magenta (0%)
- Yellow (37%)
- Black (47%)





- Cyan (55%)
- Magenta (47%)
- Yellow (66%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 54, 29.477, 123.700 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 54, 29.477, 123.700 by changing the saturation by 10% instead.


 54, 29.477,
123.700


 54, 29.477,
123.700


 100, 29.477,
123.700


 44, 29.477,
123.700


 74, 29.477,
123.700

 34, 29.477,
123.700

 84, 29.477,
123.700

 24, 29.477,
123.700

 94, 29.477,
123.700

 14, 29.477,
123.700

 4, 29.477, 123.700

 0, 29.477, 123.700

■ 54, 29.477,
123.700

■ 54, 29.477,
123.700

■ 53, 37.163,
123.240

■ 55, 21.569,
124.198

■ 53, 44.473,
122.857

■ 55, 13.541,
124.701

■ 52, 51.188,
122.621

■ 56, 5.465, 125.197

■ 52, 57.018,
122.623

■ 57, 2.606, 305.626

■ 52, 61.631,
122.976

■ 58, 10.637,
306.081

■ 51, 64.918,
123.714

■ 59, 18.601,
306.487

■ 51, 65.922,
123.940

■ 60, 26.479,
306.861

■ 61, 34.257,
307.201

■ 62, 41.926,
307.511

Harmonies

Complementary

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



54, 29.477, 123.700



40, 31.378, 307.568

Rectangle

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



54, 29.477, 123.700



54, 29.477, 173.700



54, 29.477, 303.700



54, 29.477, 353.700

Sweetspot

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



54, 29.478, 123.702



71, 10.959, 124.976



47, 18.184, 60.353



37, 7.422, 124.919



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



54, 29.478, 123.702



68, 43.238, 123.319



52, 34.010, 139.483



29, 4.601, 125.079



50, 64.720, 123.902



1, 2.140, 125.503

Inverse Universe

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



40, 31.378, 307.568



48, 46.786, 308.111



43, 34.228, 323.412



27, 4.673, 305.941



18, 78.161, 310.163



0, 2.140, 305.501

Previews

White Background



This preview shows how the CIELCh color 54, 29.477, 123.700 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 54, 29.477, 123.700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

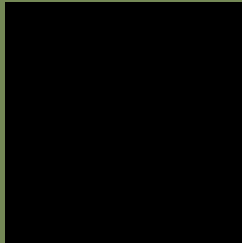
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 54, 29.477, 123.700

Background



This preview shows how black text looks on a background with the CIELCh color 54, 29.477, 123.700.



This preview shows how white text looks on a background with the CIELCh color 54, 29.477, 123.700.

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](#).

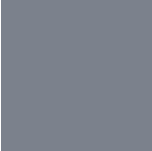
Dichromacy



Original Color
54, 29.477, 123.700

Protanopia
54, 26.598, 96.194

Deuteranopia
54, 24.250, 72.593



Tritanopia
54, 6.694, 271.132

Trichromacy



Original Color
54, 29.477, 123.700

Protanomaly
54, 27.113, 107.735

Deuteranomaly
54, 23.455, 94.139

Tritanomaly
54, 8.453, 143.952

Monochromacy



Original Color
54, 29.477, 123.700

Achromatopsia
52, 0.007, 296.813

Achromatomaly
53, 10.780, 124.424

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 54, 29.477, 123.700 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(116, 136, 86)` looks like.

```
.text, #text, p{  
    color:rgb(116, 136, 86)  
}
```

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(116, 136, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 136, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 54, 29.477, 123.700 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(116, 136, 86) }
```

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

```
.border{ border-color:rgb(116, 136, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 136, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 136, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 136, 86);  
box-shadow:4px 4px 4px 4px rgb(116, 136,  
86) }
```

Background

The CSS property to change the background color of an element to CIELCh 54, 29.477, 123.700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 136, 86) }
```

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

```
.background{ background-color: rgb(116,  
136, 86) }
```

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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