

Converting Colors

CIELCh(49, 53.268, 138.784)

Have a look what the booklet for
CIELCh(49, 53.268, 138.784)
contains.

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Color

CIELCh(49, 53.291, 138.812)

Conversions

Conversions Part 1

Format	Color
Hex	388435
RGB	56, 132, 53
RGB Percent	22%, 52%, 21%
CMY	0.7805, 0.4824, 0.7922
CMYK	0.58, 0.00, 0.60, 0.48
HSL	118°, 43%, 36%
HSV	118°, 60%, 52%
XYZ	10.5204, 17.5941, 6.2076
YIQ	100.2700, -19.9370, -40.6810

Conversions

Conversions Part 2

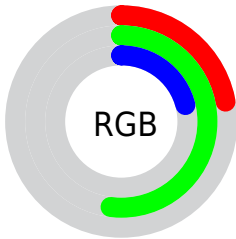
Format	Color
RYB	53, 132, 129
Decimal	3703861
CIELab	49.00, -40.10, 35.09
CIELCh	49, 53.291, 138.812
Yxy	17.5941, 0.3065, 0.5126
Android (android.graphics.Color)	4281893941 (0xFF388435)
YUV	100.2700, -23.3041, -38.8248
Hunter-Lab	41.9453, -28.6342, 20.5872

Details

The CIELCh color **49, 53.291, 138.812** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **36, 53.015, 326.187**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 53.594, 138.837**, and **29, 51.452, 136.529** is the 20% darker color. If you saturate the color by 10%, you get **48, 60.381, 137.832**, and if you desaturate by 10%, it is **50, 45.264, 139.796**.

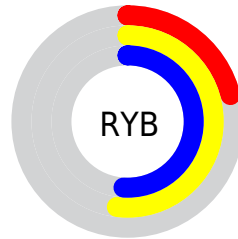
Distribution



 Red (22%)

 Green (52%)

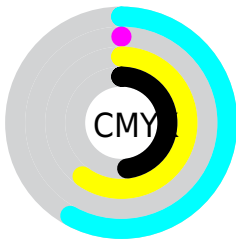
 Blue (21%)




 Red (21%)

 Yellow (52%)

 Blue (51%)

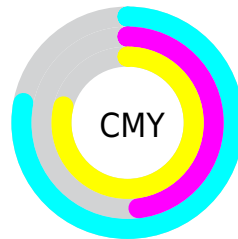


 Cyan (58%)


 Magenta (0%)

 Yellow (60%)

 Black (48%)



 Cyan (78%)


 Magenta (48%)


 Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 53.291, 138.812 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 49, 53.291, 138.812 by changing the saturation by 10% instead.


 49, 53.291,
138.812


 49, 53.291,
138.812


 100, 53.291,
138.812


 39, 53.291,
138.812

 69, 53.291,
138.812


 29, 53.291,
138.812

 79, 53.291,
138.812

 19, 53.291,
138.812

 89, 53.291,
138.812

 9, 53.291, 138.812

 99, 53.291,
138.812

 0, 53.291, 138.812

 49, 53.291,

 49, 53.291,

138.812

138.812

■ 48, 60.381,
137.832

■ 50, 45.264,
139.796

■ 48, 66.183,
136.957

■ 50, 36.603,
140.718

■ 48, 70.358,
136.314

■ 51, 27.558,
141.548

■ 48, 73.181,
135.790

■ 53, 18.324,
142.279

■ 48, 73.221,
135.781

■ 54, 9.054, 142.918

■ 55, 0.139, 322.116

■ 57, 9.176, 323.874

■ 58, 18.002,
324.274

■ 60, 26.584,

Harmonies

Complementary

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



49, 53.291, 138.812



36, 53.015, 326.187

Rectangle

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



49, 53.291, 138.812



49, 53.291, 188.812



49, 53.291, 318.812



49, 53.291, 8.812

Sweetspot

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



49, 53.291, 138.813



67, 20.505, 142.377



53, 41.323, 102.366



35, 14.369, 142.204



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



49, 53.291, 138.813



62, 75.766, 137.484



49, 38.513, 154.782



27, 5.199, 142.961



47, 72.441, 135.777



1, 1.240, 143.430

Inverse Universe

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



36, 53.015, 326.187



43, 74.719, 326.566



35, 39.949, 347.143



26, 5.210, 323.866



29, 70.250, 326.785



0, 1.241, 323.425

Previews

White Background



This preview shows how the CIE LCh color 49, 53.291, 138.812 looks on a white 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

Black Background



This preview shows how the CIELCh color 49, 53.291, 138.812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

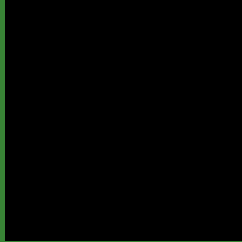
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 53.291, 138.812

Background



This preview shows how black text looks on a background with the CIELCh color 49, 53.291, 138.812.



This preview shows how white text looks on a background with the CIELCh color 49, 53.291, 138.812.

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
49, 53.291, 138.812

Protanopia
49, 38.696, 95.750

Deuteranopia
49, 33.564, 79.014



Tritanopia
49, 17.646, 217.407

Trichromacy



Original Color
49, 53.291, 138.812

Protanomaly
48, 41.054, 117.773

Deuteranomaly
48, 34.679, 110.859

Tritanomaly
49, 25.835, 166.673

Monochromacy



Original Color
49, 53.291, 138.812

Achromatopsia
42, 0.006, 296.813

Achromatomaly
44, 20.922, 141.967

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 53.291, 138.812 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(56, 132, 53)` looks like.

```
.text, #text, p{  
    color:rgb(56, 132, 53)  
}
```

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(56, 132, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 132, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 53.291, 138.812 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(56, 132, 53) }
```

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

```
.border{ border-color:rgb(56, 132, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 132, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 132, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 132, 53);  
box-shadow:4px 4px 4px 4px rgb(56, 132,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 53.291, 138.812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 132, 53) }
```

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

```
.background{ background-color: rgb(56, 132,  
53) }
```

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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