

Converting Colors

CIELCh(49, 50.406, 136.178)

Have a look what the booklet for
CIELCh(49, 50.406, 136.178)
contains.

CIELCh(49, 50.326, 136.190)	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(49, 50.326, 136.190)

Conversions

Conversions Part 1

Format	Color
Hex	438336
RGB	67, 131, 54
RGB Percent	26%, 51%, 21%
CMY	0.7385, 0.4875, 0.7894
CMYK	0.49, 0.00, 0.59, 0.49
HSL	110°, 42%, 36%
HSV	110°, 59%, 51%
XYZ	11.0262, 17.5941, 6.2694
YIQ	103.0860, -13.4270, -37.5150

Conversions

Conversions Part 2

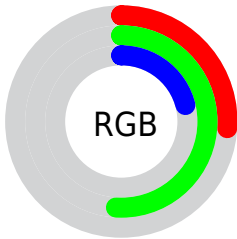
Format	Color
RYB	54, 131, 118
Decimal	4424502
CIELab	49.00, -36.32, 34.84
CIELCh	49, 50.326, 136.190
Yxy	17.5941, 0.3160, 0.5043
Android (android.graphics.Color)	4282614582 (0xFF438336)
YUV	103.0860, -24.1994, -31.6474
Hunter-Lab	41.9453, -26.4819, 20.4999

Details

The CIELCh color **49, 50.326, 136.190** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **34, 51.044, 322.106**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 50.664, 136.116**, and **29, 50.358, 136.367** is the 20% darker color. If you saturate the color by 10%, you get **48, 57.457, 135.543**, and if you desaturate by 10%, it is **50, 42.436, 136.895**.

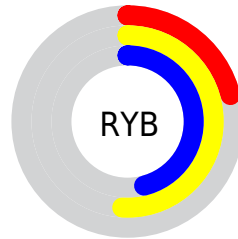
Distribution



Red (26%)

Green (51%)

Blue (21%)



Red (21%)

Yellow (51%)

Blue (46%)

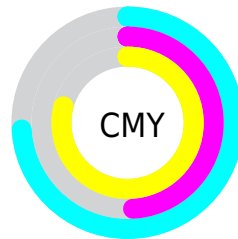


Cyan (49%)

Magenta (0%)

Yellow (59%)

Black (49%)



Cyan (74%)


Magenta (49%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 50.326, 136.190 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, 50.326, 136.190 by changing the saturation by 10% instead.


 49, 50.326,
136.190


 49, 50.326,
136.190


 100, 50.326,
136.190


 39, 50.326,
136.190

 69, 50.326,
136.190


 29, 50.326,
136.190

 79, 50.326,
136.190

 19, 50.326,
136.190

 89, 50.326,
136.190

 9, 50.326, 136.190

 99, 50.326,
136.190

 0, 50.326, 136.190

 49, 50.326,

 49, 50.326,

136.190

136.190

■ 48, 57.457,
135.543

■ 50, 42.436,
136.895

■ 48, 63.497,
135.049

■ 50, 34.053,
137.591

■ 48, 68.099,
134.827

■ 51, 25.385,
138.241

■ 47, 71.359,
134.775

■ 52, 16.588,
138.831

■ 47, 71.698,
134.745

■ 54, 7.777, 139.360

■ 55, 0.962, 319.628

■ 56, 9.569, 320.168

■ 58, 18.003,
320.512

■ 59, 26.235,

Harmonies

Complementary

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



49, 50.326, 136.190



34, 51.044, 322.106

Rectangle

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



49, 50.326, 136.190



49, 50.326, 186.190



49, 50.326, 316.190



49, 50.326, 6.190

Sweetspot

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



49, 50.327, 136.191



67, 19.663, 138.858



49, 36.238, 94.710



35, 13.779, 138.714



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, 50.327, 136.191



62, 72.832, 135.333



49, 42.107, 149.259



27, 4.988, 139.348



47, 71.441, 134.741



1, 1.191, 139.747

Inverse Universe

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



34, 51.044, 322.106



41, 73.573, 322.353



35, 42.309, 339.665



26, 5.011, 320.124



26, 71.104, 322.002



0, 1.191, 319.743

Previews

White Background



This preview shows how the CIELCh color 49, 50.326, 136.190 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 CIE LCh color 49, 50.326, 136.190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

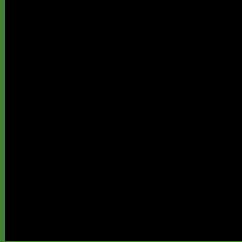
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 50.326, 136.190

Background



This preview shows how black text looks on a background with the CIELCh color 49, 50.326, 136.190.



This preview shows how white text looks on a background with the CIELCh color 49, 50.326, 136.190.

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, 50.326, 136.190

Protanopia
49, 38.208, 95.708

Deuteranopia
49, 33.564, 79.014



Tritanopia
49, 15.098, 218.685

Trichromacy



Original Color
49, 50.326, 136.190

Protanomaly
48, 39.634, 115.032

Deuteranomaly
48, 34.548, 107.818

Tritanomaly
49, 23.220, 163.191

Monochromacy



Original Color
49, 50.326, 136.190

Achromatopsia
44, 0.006, 296.813

Achromatomaly
45, 19.257, 138.231

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 50.326, 136.190 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(67, 131, 54)` looks like.

```
.text, #text, p{  
    color:rgb(67, 131, 54)  
}
```

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(67, 131, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 131, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 50.326, 136.190 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(67, 131, 54) }
```

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

```
.border{ border-color:rgb(67, 131, 54) }
```

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

Here you see how a box with a 4 pixel rgb(67, 131, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 131, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 131, 54);  
box-shadow:4px 4px 4px 4px rgb(67, 131,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 50.326, 136.190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 131, 54) }
```

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

```
.background{ background-color: rgb(67, 131,  
54) }
```

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](#).

Hey! You found this booklet
interesting? Support Converting
Colors with the new Membership
Option!

The pro membership hides all ads, plus gives you
double the colors in the color bucket, and more
awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor