

Converting Colors

CIELCh(49, 45.330, 139.634)

Have a look what the booklet for
CIELCh(49, 45.330, 139.634)
contains.

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Color

CIELCh(49, 45.370, 139.558)

Conversions

Conversions Part 1

Format	Color
Hex	438240
RGB	67, 130, 64
RGB Percent	26%, 51%, 25%
CMY	0.7364, 0.4894, 0.7483
CMYK	0.48, 0.00, 0.51, 0.49
HSL	117°, 34%, 38%
HSV	117°, 51%, 51%
XYZ	11.2705, 17.5941, 7.6810
YIQ	103.6390, -16.3620, -33.8820

Conversions

Conversions Part 2

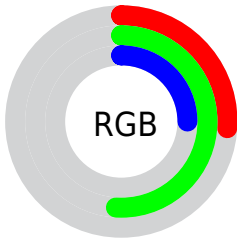
Format	Color
R_{YB}	64, 130, 127
Decimal	4424256
CIE _{Lab}	49.00, -34.53, 29.43
CIE _{LCh}	49, 45.370, 139.558
Yxy	17.5941, 0.3084, 0.4814
Android (android.graphics.Color)	4282614336 (0xFF438240)
YUV	103.6390, -19.5420, -32.1324
Hunter-Lab	41.9453, -25.4423, 18.5046

Details

The CIELCh color $49, 45.370, 139.558$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $38, 45.346, 325.612$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $69, 45.827, 139.644$, and $29, 45.608, 139.416$ is the 20% darker color. If you saturate the color by 10%, you get $48, 53.245, 138.593$, and if you desaturate by 10%, it is $50, 36.857, 140.471$.

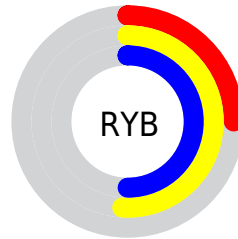
Distribution



Red (26%)

Green (51%)

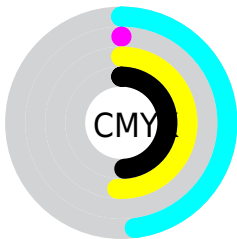
Blue (25%)



Red (25%)

Yellow (51%)

Blue (50%)

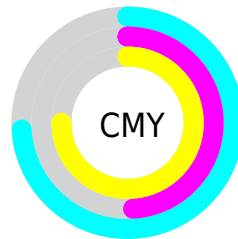


Cyan (48%)

Magenta (0%)

Yellow (51%)

Black (49%)



Cyan (74%)


Magenta (49%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 45.370, 139.558 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, 45.370, 139.558 by changing the saturation by 10% instead.


 49, 45.370,
139.558


 49, 45.370,
139.558


 100, 45.370,
139.558


 39, 45.370,
139.558

 69, 45.370,
139.558


 29, 45.370,
139.558

 79, 45.370,
139.558

 19, 45.370,
139.558

 89, 45.370,
139.558

 9, 45.370, 139.558

 99, 45.370,
139.558

 0, 45.370, 139.558

 49, 45.370,

 49, 45.370,

139.558

139.558

■ 48, 53.245,
138.593

■ 50, 36.857,
140.471

■ 48, 60.177,
137.640

■ 51, 27.952,
141.296

■ 47, 65.821,
136.806

■ 52, 18.851,
142.024

■ 47, 69.844,
136.215

■ 53, 9.705, 142.661

■ 47, 72.458,
135.728

■ 54, 0.626, 143.470

■ 56, 8.306, 323.620

■ 57, 17.035,
324.023

■ 59, 25.528,
324.360

■ 61, 33.767,

Harmonies

Complementary

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



49, 45.370, 139.558



38, 45.346, 325.612

Rectangle

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



49, 45.370, 139.558



49, 45.370, 189.558



49, 45.370, 319.558



49, 45.370, 9.558

Sweetspot

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



49, 45.371, 139.558



67, 16.817, 142.376



52, 35.177, 103.196



34, 11.428, 142.264



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 45.371, 139.558



61, 65.711, 138.430



49, 32.839, 156.071



27, 5.186, 142.754



47, 72.392, 135.728



1, 1.237, 143.218

Inverse Universe

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



38, 45.346, 325.612



45, 65.348, 326.023



37, 34.123, 345.869



26, 5.198, 323.650



29, 70.283, 326.490



0, 1.238, 323.214

Previews

White Background



This preview shows how the CIELCh color 49, 45.370, 139.558 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, 45.370, 139.558 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, 45.370, 139.558

Background



This preview shows how black text looks on a background with the CIELCh color 49, 45.370, 139.558.



This preview shows how white text looks on a background with the CIELCh color 49, 45.370, 139.558.

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, 45.370, 139.558

Protanopia

49, 33.038, 95.910

Deuteranopia

49, 28.495, 77.240



Tritanopia
49, 15.510, 220.454

Trichromacy



Original Color
49, 45.370, 139.558

Protanomaly
48, 34.639, 116.997

Deuteranomaly
48, 29.261, 109.804

Tritanomaly
49, 21.773, 168.031

Monochromacy



Original Color
49, 45.370, 139.558

Achromatopsia
44, 0.006, 296.813

Achromatomaly
46, 17.212, 142.123

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 45.370, 139.558 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, 130, 64)` looks like.

```
.text, #text, p{  
    color:rgb(67, 130, 64)  
}
```

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, 130, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 130, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 45.370, 139.558 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, 130, 64) }
```

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

```
.border{ border-color:rgb(67, 130, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 130, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 130, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 130, 64);  
box-shadow:4px 4px 4px 4px rgb(67, 130,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 45.370, 139.558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 130, 64) }
```

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

```
.background{ background-color: rgb(67, 130,  
64) }
```

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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