

Converting Colors

CIELCh(49, 45.574, 146.740)

Have a look what the booklet for
CIELCh(49, 45.574, 146.740)
contains.

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Color

CIELCh(49, 45.860, 146.592)

Conversions

Conversions Part 1

Format	Color
Hex	348448
RGB	52, 132, 72
RGB Percent	20%, 52%, 28%
CMY	0.7975, 0.4837, 0.7189
CMYK	0.61, 0.00, 0.46, 0.48
HSL	135°, 44%, 36%
HSV	135°, 61%, 52%
XYZ	10.7617, 17.5941, 8.9065
YIQ	101.2400, -28.4200, -35.6200

Conversions

Conversions Part 2

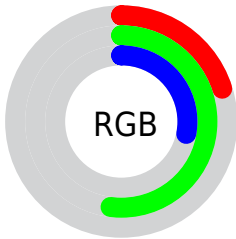
Format	Color
R_{YB}	52, 116, 132
Decimal	3441736
CIE Lab	49.00, -38.28, 25.25
CIE LCh	49, 45.860, 146.592
Yxy	17.5941, 0.2888, 0.4722
Android (android.graphics.Color)	4281631816 (0xFF348448)
YUV	101.2400, -14.4153, -43.1835
Hunter-Lab	41.9453, -27.6073, 16.7723




Details

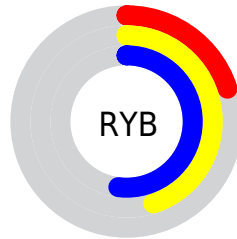
The CIELCh color $49, 45.860, 146.592$ is a dark color, and the websafe version is hex 339966 . A complement of this color would be $35, 45.568, 336.706$, and the grayscale version is $43, 0.006, 296.813$.




A 20% lighter version of the original color is $69, 46.227, 146.522$, and $29, 43.456, 143.774$ is the 20% darker color. If you saturate the color by 10%, you get $48, 52.167, 145.123$, and if you desaturate by 10%, it is $50, 38.967, 147.899$.

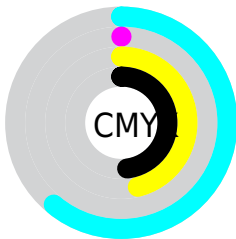
Distribution







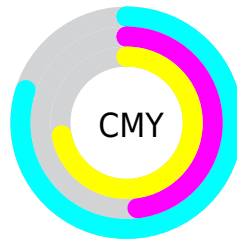
-  Red (20%)
-  Green (52%)
-  Blue (28%)






-  Red (20%)
-  Yellow (45%)
-  Blue (52%)



-  Cyan (61%)
-  Magenta (0%)
-  Yellow (46%)
-  Black (48%)





-  Cyan (80%)
-  Magenta (48%)
-  Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 45.860, 146.592 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, 45.860, 146.592 by changing the saturation by 10% instead.


 49, 45.860,
146.592


 49, 45.860,
146.592


 100, 45.860,
146.592


 39, 45.860,
146.592

 69, 45.860,
146.592


 29, 45.860,
146.592

 79, 45.860,
146.592

 19, 45.860,
146.592

 89, 45.860,
146.592

 9, 45.860, 146.592

 99, 45.860,
146.592

 0, 45.860, 146.592

 49, 45.860,

 49, 45.860,

146.592

146.592

■ 48, 52.167,
145.123

■ 50, 38.967,
147.899

■ 48, 57.748,
143.507

■ 50, 31.633,
149.046

■ 48, 62.491,
141.787

■ 51, 24.007,
150.046

■ 48, 66.189,
140.312

■ 52, 16.221,
150.918

■ 54, 8.389, 151.686

■ 55, 0.602, 152.711

■ 56, 7.072, 332.859

■ 58, 14.582,
333.386

■ 59, 21.896,

Harmonies

Complementary

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



49, 45.860, 146.592



35, 45.568, 336.706

Rectangle

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



49, 45.860, 146.592



49, 45.860, 196.592



49, 45.860, 326.592



49, 45.860, 16.592

Sweetspot

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



49, 45.861, 146.592



67, 17.373, 151.109



52, 44.570, 116.479



35, 12.173, 150.904



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, 45.861, 146.592



62, 65.840, 144.515



50, 29.727, 173.111



27, 4.408, 151.806



47, 65.566, 140.336



1, 1.053, 152.368

Inverse Universe

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



35, 45.568, 336.706



42, 63.806, 337.980



33, 36.751, 8.475



26, 4.426, 332.902



28, 58.187, 340.920



0, 1.053, 332.361

Previews

White Background



This preview shows how the CIELCh color 49, 45.860, 146.592 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, 45.860, 146.592 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, 45.860, 146.592

Background



This preview shows how black text looks on a background with the CIELCh color 49, 45.860, 146.592.



This preview shows how white text looks on a background with the CIELCh color 49, 45.860, 146.592.

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, 45.860, 146.592

Protanopia

49, 29.219, 96.187

Deuteranopia

49, 23.937, 74.816



Tritanopia
49, 19.160, 215.647

Trichromacy



Original Color
49, 45.860, 146.592

Protanomaly
48, 32.335, 123.655

Deuteranomaly
48, 25.921, 118.639

Tritanomaly
49, 24.535, 175.683

Monochromacy



Original Color
49, 45.860, 146.592

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 17.822, 150.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 45.860, 146.592 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(52, 132, 72)` looks like.

```
.text, #text, p{  
    color:rgb(52, 132, 72)  
}
```

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(52, 132, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 132, 72) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 45.860, 146.592 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(52, 132, 72) }
```

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

```
.border{ border-color:rgb(52, 132, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 132, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 132, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 132, 72);  
box-shadow:4px 4px 4px 4px rgb(52, 132,  
72) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 45.860, 146.592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 132, 72) }
```

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

```
.background{ background-color: rgb(52, 132,  
72) }
```

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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