

Converting Colors

CIELCh(49, 34.636, 146.811)

Have a look what the booklet for
CIELCh(49, 34.636, 146.811)
contains.

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Color

CIELCh(49, 35.086, 146.718)

Conversions

Conversions Part 1

Format	Color
Hex	488153
RGB	72, 129, 83
RGB Percent	28%, 51%, 33%
CMY	0.7190, 0.4955, 0.6758
CMYK	0.44, 0.00, 0.36, 0.50
HSL	132°, 28%, 39%
HSV	132°, 44%, 50%
XYZ	12.0012, 17.5941, 10.8825
YIQ	106.7130, -19.2060, -26.3900

Conversions

Conversions Part 2

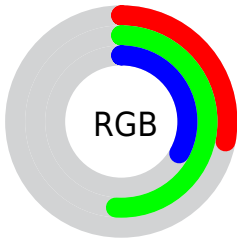
Format	Color
R_{YB}	72, 120, 129
Decimal	4751699
CIE _{Lab}	49.00, -29.33, 19.25
CIE _{LCh}	49, 35.086, 146.718
Yxy	17.5941, 0.2965, 0.4347
Android (android.graphics.Color)	4282941779 (0xFF488153)
YUV	106.7130, -11.6905, -30.4433
Hunter-Lab	41.9453, -22.3325, 13.9793




Details

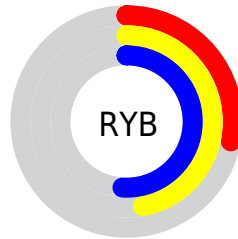
The CIELCh color **49, 35.086, 146.718** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **39, 35.137, 333.073**, and the grayscale version is **45, 0.006, 296.813**.




A 20% lighter version of the original color is **69, 34.715, 146.641**, and **29, 35.157, 146.516** is the 20% darker color. If you saturate the color by 10%, you get **48, 42.460, 145.553**, and if you desaturate by 10%, it is **50, 27.357, 147.737**.

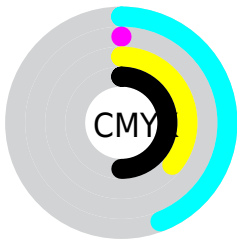
Distribution







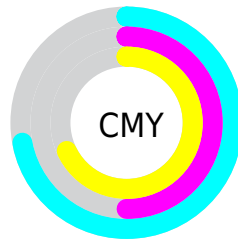
-  Red (28%)
-  Green (51%)
-  Blue (33%)






-  Red (28%)
-  Yellow (47%)
-  Blue (51%)



-  Cyan (44%)
-  Magenta (0%)
-  Yellow (36%)
-  Black (50%)




-  Cyan (72%)
-  Magenta (50%)
-  Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 35.086, 146.718 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, 35.086, 146.718 by changing the saturation by 10% instead.


 49, 35.086,
146.718


 49, 35.086,
146.718


 100, 35.086,
146.718


 39, 35.086,
146.718

 69, 35.086,
146.718


 29, 35.086,
146.718

 79, 35.086,
146.718

 19, 35.086,
146.718

 89, 35.086,
146.718

 9, 35.086, 146.718

 99, 35.086,
146.718

 0, 35.086, 146.718

 49, 35.086,

 49, 35.086,

146.718

146.718

■ 48, 42.460,
145.553

■ 50, 27.357,
147.737

■ 48, 49.312,
144.239

■ 51, 19.419,
148.624

■ 47, 55.473,
142.789

■ 52, 11.400,
149.396

■ 47, 60.783,
141.242

■ 53, 3.405, 150.104

■ 47, 65.111,
139.682

■ 55, 4.490, 330.565

■ 47, 67.215,
138.946

■ 56, 12.227,
331.098

■ 58, 19.767,
331.545

■ 59, 27.089,
331.937

■ 61, 34.179,
332.283

Harmonies

Complementary

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



49, 35.086, 146.718



39, 35.137, 333.073

Rectangle

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



49, 35.086, 146.718



49, 35.086, 196.718



49, 35.086, 326.718



49, 35.086, 16.718

Sweetspot

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



49, 35.087, 146.718



67, 12.903, 149.468



52, 32.440, 114.382



34, 8.994, 149.330



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, 35.087, 146.718



62, 51.623, 145.558



50, 23.657, 170.350



26, 4.448, 149.764



46, 66.754, 138.962



0, 0.000, 0.000

Inverse Universe

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



39, 35.137, 333.073



47, 51.396, 333.752



38, 26.665, 0.062



25, 4.461, 330.805



28, 59.757, 337.398



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 35.086, 146.718 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, 35.086, 146.718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

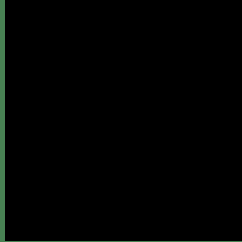
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 35.086, 146.718

Background



This preview shows how black text looks on a background with the CIELCh color 49, 35.086, 146.718.



This preview shows how white text looks on a background with the CIELCh color 49, 35.086, 146.718.

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, 35.086, 146.718

Protanopia
49, 23.079, 95.745

Deuteranopia
49, 18.471, 68.947



Tritanopia
49, 14.814, 219.123

Trichromacy



Original Color
49, 35.086, 146.718

Protanomaly
49, 25.097, 122.158

Deuteranomaly
48, 18.689, 113.052

Tritanomaly
49, 18.447, 176.855

Monochromacy



Original Color
49, 35.086, 146.718

Achromatopsia
45, 0.006, 296.813

Achromatomaly
46, 12.618, 149.400

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 35.086, 146.718 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(72, 129, 83)` looks like.

```
.text, #text, p{  
    color:rgb(72, 129, 83)  
}
```

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(72, 129, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 129, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 35.086, 146.718 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(72, 129, 83) }
```

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

```
.border{ border-color:rgb(72, 129, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 129, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 129, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 129, 83);  
box-shadow:4px 4px 4px 4px rgb(72, 129,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 35.086, 146.718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 129, 83) }
```

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

```
.background{ background-color: rgb(72, 129,  
83) }
```

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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