

Converting Colors

CIELCh(64, 47.850, 148.108)

Have a look what the booklet for
CIELCh(64, 47.850, 148.108)
contains.

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Color

CIELCh(64, 48.103, 147.892)

Conversions

Conversions Part 1

Format	Color
Hex	56AD6C
RGB	86, 173, 108
RGB Percent	34%, 68%, 42%
CMY	0.6640, 0.3228, 0.5776
CMYK	0.50, 0.00, 0.38, 0.32
HSL	135°, 35%, 51%
HSV	135°, 50%, 68%
XYZ	21.3797, 32.8017, 19.3084
YIQ	139.5770, -30.9870, -38.6590

Conversions

Conversions Part 2

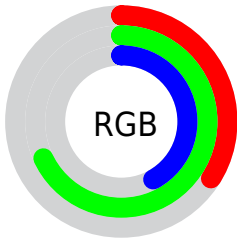
Format	Color
RYB	86, 155, 173
Decimal	5680492
CIELab	64.00, -40.75, 25.57
CIELCh	64, 48.103, 147.892
Yxy	32.8017, 0.2909, 0.4463
Android (android.graphics.Color)	4283870572 (0xFF56AD6C)
YUV	139.5770, -15.5675, -46.9870
Hunter-Lab	57.2727, -33.5941, 20.1025

Details

The CIELCh color **64, 48.103, 147.892** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **49, 48.219, 336.053**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 48.063, 147.913**, and **44, 48.031, 148.049** is the 20% darker color. If you saturate the color by 10%, you get **63, 56.633, 146.538**, and if you desaturate by 10%, it is **65, 39.001, 149.078**.

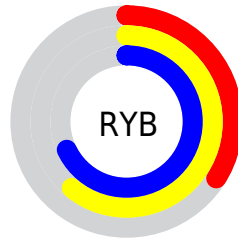
Distribution



Red (34%)

Green (68%)

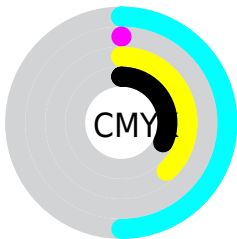
Blue (42%)



Red (34%)

Yellow (61%)

Blue (68%)

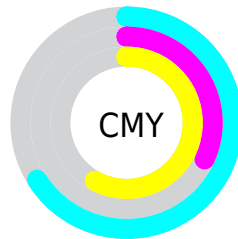


Cyan (50%)

Magenta (0%)

Yellow (38%)

Black (32%)



Cyan (66%)

Magenta (32%)

Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 48.103, 147.892 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 64, 48.103, 147.892 by changing the saturation by 10% instead.

 64, 48.103,
147.892

 64, 48.103,
147.892


 100, 48.103,
147.892

 54, 48.103,
147.892

 84, 48.103,
147.892

 44, 48.103,
147.892

 94, 48.103,
147.892

 34, 48.103,
147.892

 24, 48.103,
147.892

 14, 48.103,
147.892

 4, 48.103, 147.892

 0, 48.103, 147.892

■ 64, 48.103,
147.892

■ 64, 48.103,
147.892

■ 63, 56.633,
146.538

■ 65, 39.001,
149.078

■ 63, 64.396,
145.014

■ 66, 29.514,
150.109

■ 62, 71.217,
143.339

■ 67, 19.819,
151.004

■ 62, 76.957,
141.562

■ 69, 10.063,
151.791

■ 62, 81.464,
139.918

■ 71, 0.365, 153.233

■ 72, 9.186, 332.992

■ 74, 18.526,
333.526

■ 76, 27.613,
333.990

■ 78, 36.424,
334.403

Harmonies

Complementary

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



64, 48.103, 147.892



49, 48.219, 336.053

Rectangle

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



64, 48.103, 147.892



64, 48.103, 197.892



64, 48.103, 327.892



64, 48.103, 17.892

Sweetspot

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



64, 48.104, 147.892



86, 18.024, 151.419



67, 46.912, 116.877



45, 12.289, 151.257



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 48.104, 147.892



80, 69.536, 146.441



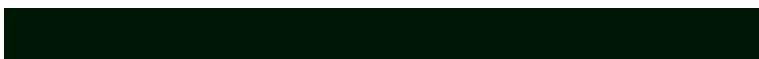
65, 31.784, 174.301



36, 5.500, 151.872



54, 73.233, 140.137



6, 11.991, 150.760

Inverse Universe

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



49, 48.219, 336.053



59, 68.960, 336.970



48, 38.084, 6.349



34, 5.523, 333.025



33, 64.429, 341.304



2, 10.914, 335.800

Previews

White Background



This preview shows how the CIELCh color 64, 48.103, 147.892 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 64, 48.103, 147.892 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

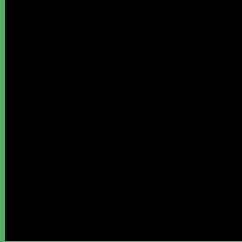
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 48.103, 147.892

Background



This preview shows how black text looks on a background with the CIELCh color 64, 48.103, 147.892.



This preview shows how white text looks on a background with the CIELCh color 64, 48.103, 147.892.

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
64, 48.103, 147.892

Protanopia
64, 30.333, 95.316

Deuteranopia
64, 24.589, 71.482



Tritanopia
64, 20.773, 218.484

Trichromacy



Original Color
64, 48.103, 147.892



Protanomaly
63, 33.135, 123.578



Deuteranomaly
63, 25.679, 116.756



Tritanomaly
64, 25.745, 178.123

Monochromacy



Original Color
64, 48.103, 147.892



Achromatopsia
58, 0.007, 296.813



Achromatomaly
60, 17.824, 151.190

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 48.103, 147.892 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(86, 173, 108)` looks like.

```
.text, #text, p{  
    color:rgb(86, 173, 108)  
}
```

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(86, 173, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 173, 108) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 48.103, 147.892 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(86, 173, 108) }
```

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

```
.border{ border-color:rgb(86, 173, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 173, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 173, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 173, 108);  
box-shadow:4px 4px 4px 4px rgb(86, 173,  
108) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 48.103, 147.892 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 173, 108) }
```

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

```
.background{ background-color: rgb(86, 173,  
108) }
```

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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