

Converting Colors

CIELCh(75, 49.300, 114.813)

Have a look what the booklet for
CIELCh(75, 49.300, 114.813)
contains.

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Color

CIELCh(75, 48.841, 114.504)

Conversions

Conversions Part 1

Format	Color
Hex	AFC164
RGB	175, 193, 100
RGB Percent	69%, 76%, 39%
CMY	0.3130, 0.2424, 0.6072
CMYK	0.09, 0.00, 0.48, 0.24
HSL	72°, 43%, 58%
HSV	72°, 48%, 76%
XYZ	39.1383, 48.2781, 19.3554
YIQ	177.0160, 19.1250, -32.7390

Conversions

Conversions Part 2

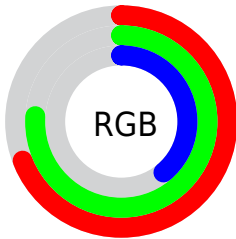
Format	Color
RYB	100, 193, 118
Decimal	11518308
CIELab	75.00, -20.26, 44.44
CIELCh	75, 48.841, 114.504
Yxy	48.2781, 0.3666, 0.4522
Android (android.graphics.Color)	4289708388 (0xFFAFC164)
YUV	177.0160, -37.9689, -1.7680
Hunter-Lab	69.4824, -21.0482, 32.1216

Details

The CIELCh color **75, 48.841, 114.504** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **48, 55.003, 302.299**, and the grayscale version is **72, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 48.517, 114.352**, and **55, 48.707, 114.067** is the 20% darker color. If you saturate the color by 10%, you get **75, 57.882, 113.977**, and if you desaturate by 10%, it is **76, 39.181, 115.132**.

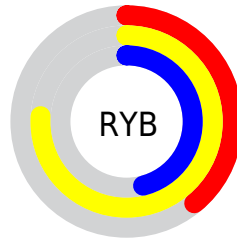
Distribution



Red (69%)

Green (76%)

Blue (39%)



Red (39%)

Yellow (76%)

Blue (46%)

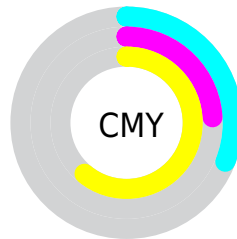


Cyan (9%)

Magenta (0%)

Yellow (48%)

Black (24%)



Cyan (31%)


Magenta (24%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 75, 48.841, 114.504 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 75, 48.841, 114.504 by changing the saturation by 10% instead.

 75, 48.841,
114.504


 75, 48.841,
114.504


 100, 48.841,
114.504


 65, 48.841,
114.504


 95, 48.841,
114.504

 55, 48.841,
114.504

 45, 48.841,
114.504

 35, 48.841,
114.504

 25, 48.841,
114.504

 15, 48.841,
114.504

 5, 48.841, 114.504

■ 0, 48.841, 114.504

■ 75, 48.841,
114.504

■ 75, 48.841,
114.504

■ 75, 57.882,
113.977

■ 76, 39.181,
115.132

■ 74, 65.955,
113.608

■ 76, 29.138,
115.808

■ 74, 72.611,
113.482

■ 77, 18.871,
116.502

■ 73, 77.389,
113.690

■ 78, 8.487, 117.195

■ 73, 80.162,
114.266

■ 78, 1.943, 297.864

■ 73, 80.597,
114.384

■ 79, 12.370,
298.516

■ 80, 22.760,

299.134

■ 81, 33.087,
299.716

■ 81, 33.399,
301.790

Harmonies

Complementary

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



75, 48.841, 114.504



48, 55.003, 302.299

Rectangle

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



75, 48.841, 114.504



75, 48.841, 164.504



75, 48.841, 294.504



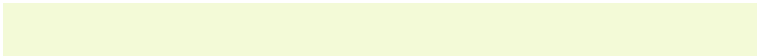
75, 48.841, 344.504

Sweetspot

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



75, 48.842, 114.506



97, 17.961, 116.776



57, 35.624, 38.293



51, 12.391, 116.624



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



75, 48.842, 114.506



94, 71.032, 113.942



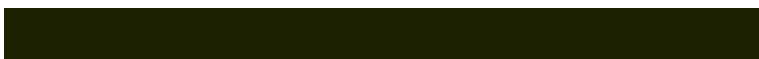
72, 54.920, 132.819



41, 5.921, 117.111



62, 70.261, 114.239



11, 19.101, 118.192

Inverse Universe

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



48, 55.003, 302.299



54, 82.910, 303.662



53, 57.022, 317.219



38, 6.043, 298.415



19, 93.275, 307.275



1, 19.602, 296.353

Previews

White Background



This preview shows how the CIELCh color 75, 48.841, 114.504 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 CIE LCh color 75, 48.841, 114.504 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 75, 48.841, 114.504

Background



This preview shows how black text looks on a background with the CIELCh color 75, 48.841, 114.504.



This preview shows how white text looks on a background with the CIELCh color 75, 48.841, 114.504.

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
75, 48.841, 114.504

Protanopia
75, 46.410, 95.537

Deuteranopia
75, 44.398, 77.671



Tritanopia
75, 8.339, 303.461

Trichromacy



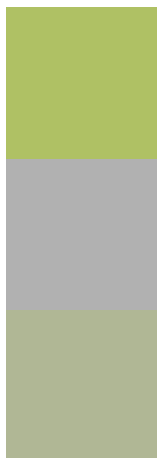
Original Color
75, 48.841, 114.504

Protanomaly
75, 46.544, 102.525

Deuteranomaly
75, 43.221, 91.642

Tritanomaly
75, 12.946, 114.093

Monochromacy



Original Color
75, 48.841, 114.504

Achromatopsia
72, 0.009, 296.813

Achromatomaly
73, 18.511, 116.979

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 75, 48.841, 114.504 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(175, 193, 100)` looks like.

```
.text, #text, p{  
    color:rgb(175, 193, 100)  
}
```

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(175, 193, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 193, 100) }
```

Border

The CSS property to change the border of an element to CIELCh 75, 48.841, 114.504 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(175, 193, 100) }
```

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

```
.border{ border-color:rgb(175, 193, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 193, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 193, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 193, 100);  
box-shadow:4px 4px 4px 4px rgb(175, 193,  
100) }
```

Background

The CSS property to change the background color of an element to CIELCh 75, 48.841, 114.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 193, 100) }
```

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

```
.background{ background-color: rgb(175,  
193, 100) }
```

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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