

Converting Colors

CIELCh(48, 14.942, 143.470)

Have a look what the booklet for
CIELCh(48, 14.942, 143.470)
contains.

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Color

CIELCh(48, 14.412, 143.456)

Conversions

Conversions Part 1

Format	Color
Hex	637763
RGB	99, 119, 99
RGB Percent	39%, 47%, 39%
CMY	0.6112, 0.5327, 0.6112
CMYK	0.17, 0.00, 0.17, 0.53
HSL	120°, 9%, 43%
HSV	120°, 17%, 47%
XYZ	14.0358, 16.7945, 14.3431
YIQ	110.7400, -5.5000, -10.4600

Conversions

Conversions Part 2

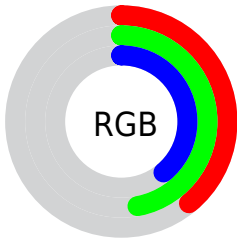
Format	Color
R_{YB}	99, 119, 119
Decimal	6518627
CIE _{Lab}	48.00, -11.58, 8.58
CIE _{LCh}	48, 14.412, 143.456
Yxy	16.7945, 0.3107, 0.3718
Android (android.graphics.Color)	4284708707 (0xFF637763)
YUV	110.7400, -5.7878, -10.2960
Hunter-Lab	40.9810, -10.5813, 7.9356

Details

The CIELCh color $48, 14.412, 143.456$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 14.427, 325.305$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 14.140, 143.730$, and $28, 14.997, 142.865$ is the 20% darker color. If you saturate the color by 10%, you get $47, 23.032, 142.723$, and if you desaturate by 10%, it is $49, 5.795, 144.100$.

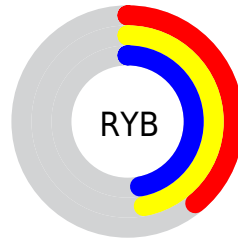
Distribution



Red (39%)

Green (47%)

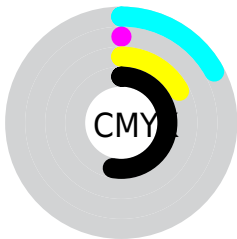
Blue (39%)



Red (39%)

Yellow (47%)

Blue (47%)

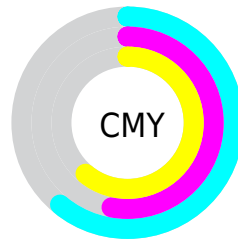


Cyan (17%)

Magenta (0%)

Yellow (17%)

Black (53%)



Cyan (61%)

Magenta (53%)

Yellow (61%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 14.412, 143.456 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 48, 14.412, 143.456 by changing the saturation by 10% instead.

 48, 14.412,
143.456


 48, 14.412,
143.456


 100, 14.412,
143.456

 38, 14.412,
143.456

 68, 14.412,
143.456


 28, 14.412,
143.456

 78, 14.412,
143.456

 18, 14.412,
143.456


 88, 14.412,
143.456

 8, 14.412, 143.456

 98, 14.412,
143.456

 0, 14.412, 143.456

 48, 14.412,

 48, 14.412,

143.456

■ 47, 23.032,
142.723

■ 46, 31.517,
141.881

■ 45, 39.694,
140.929

■ 45, 47.347,
139.886

■ 44, 54.209,
138.800

■ 44, 59.978,
137.756

■ 43, 64.338,
136.877

■ 43, 67.315,
136.228

143.456

■ 49, 5.795, 144.100

■ 51, 2.725, 324.538

■ 52, 11.077,
325.040

■ 54, 19.216,
325.433

■ 55, 27.115,
325.765

■ 57, 34.761,
326.048

■ 59, 42.152,
326.291

■ 60, 49.290,
326.499

■ 43, 68.249,
136.016

■ 62, 56.185,
326.679

Harmonies

Complementary

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



48, 14.412, 143.456



45, 14.427, 325.305

Rectangle

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



48, 14.412, 143.456



48, 14.412, 193.456



48, 14.412, 323.456



48, 14.412, 13.456

Sweetspot

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



48, 14.413, 143.456



63, 5.299, 144.204



49, 11.450, 107.942



33, 3.646, 144.168



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



48, 14.413, 143.456



61, 21.378, 143.196



48, 10.131, 161.425



24, 4.750, 143.961



44, 69.576, 136.016



86, 117.958, 136.016

Inverse Universe

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



45, 14.427, 325.305



56, 21.394, 325.501



44, 10.322, 344.098



23, 4.757, 324.889



28, 67.130, 328.231



59, 113.811, 328.231

Previews

White Background



This preview shows how the CIELCh color 48, 14.412, 143.456 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 48, 14.412, 143.456 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 14.412, 143.456

Background



This preview shows how black text looks on a background with the CIELCh color 48, 14.412, 143.456.



This preview shows how white text looks on a background with the CIELCh color 48, 14.412, 143.456.

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

48, 14.412, 143.456

Protanopia

48, 10.426, 91.949

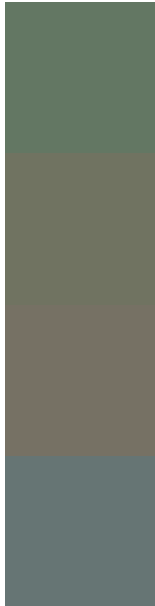
Deuteranopia

48, 9.779, 52.693



Tritanopia
48, 7.154, 247.097

Trichromacy



Original Color
48, 14.412, 143.456

Protanomaly
48, 10.632, 115.633

Deuteranomaly
48, 7.922, 93.539

Tritanomaly
48, 5.931, 193.077

Monochromacy



Original Color
48, 14.412, 143.456

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 5.050, 144.143

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 14.412, 143.456 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(99, 119, 99)` looks like.

```
.text, #text, p{  
    color:rgb(99, 119, 99)  
}
```

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(99, 119, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 119, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 14.412, 143.456 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(99, 119, 99) }
```

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

```
.border{ border-color:rgb(99, 119, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 119, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 119, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 119, 99);  
box-shadow:4px 4px 4px 4px rgb(99, 119,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 14.412, 143.456 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 119, 99) }
```

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

```
.background{ background-color: rgb(99, 119,  
99) }
```

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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