

Converting Colors

CIELCh(48, 12.747, 251.019)

Have a look what the booklet for
CIELCh(48, 12.747, 251.019)
contains.

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Color

CIELCh(48, 12.747, 251.019)

Conversions

Conversions Part 1

Format	Color
Hex	5E7586
RGB	94, 117, 134
RGB Percent	37%, 46%, 53%
CMY	0.6317, 0.5415, 0.4749
CMYK	0.30, 0.13, 0.00, 0.47
HSL	205°, 18%, 45%
HSV	205°, 30%, 53%
XYZ	15.2537, 16.7945, 24.9575
YIQ	112.0610, -19.1650, 0.4110

Conversions

Conversions Part 2

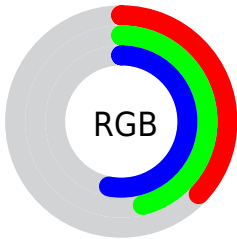
Format	Color
R _Y B	94, 109, 134
Decimal	6190470
CIE Lab	48.00, -4.15, -12.05
CIE LCh	48, 12.747, 251.019
Yxy	16.7945, 0.2676, 0.2946
Android (android.graphics.Color)	4284380550 (0xFF5E7586)
YUV	112.0610, 10.8159, -15.8395
Hunter-Lab	40.9810, -5.2768, -7.4209

Details

The CIELCh color $48, 12.747, 251.019$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $49, 14.334, 63.758$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 12.741, 250.331$, and $28, 12.556, 249.656$ is the 20% darker color. If you saturate the color by 10%, you get $45, 16.743, 252.971$, and if you desaturate by 10%, it is $51, 8.597, 249.397$.

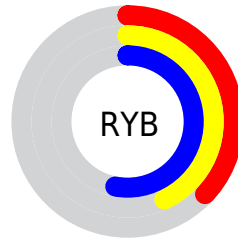
Distribution



Red (37%)

Green (46%)

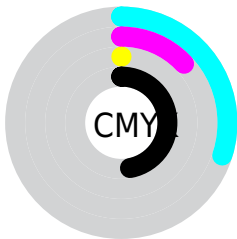
Blue (53%)



Red (37%)

Yellow (43%)

Blue (53%)

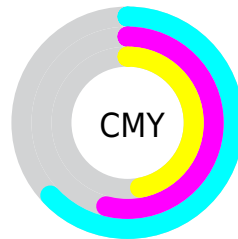


Cyan (30%)

Magenta (13%)

Yellow (0%)

Black (47%)



Cyan (63%)


Magenta (54%)


Yellow (47%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.747, 251.019 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, 12.747, 251.019 by changing the saturation by 10% instead.


 48, 12.747,
251.019


 48, 12.747,
251.019


 100, 12.747,
251.019


 38, 12.747,
251.019

 68, 12.747,
251.019


 28, 12.747,
251.019

 78, 12.747,
251.019

 18, 12.747,
251.019


 88, 12.747,
251.019

 8, 12.747, 251.019

 98, 12.747,
251.019

 0, 12.747, 251.019

 48, 12.747,

 48, 12.747,

251.019

■ 45, 16.743,
252.971

■ 43, 20.564,
255.325

■ 41, 24.199,
258.142

■ 38, 27.655,
261.474

■ 36, 30.969,
265.340

■ 34, 34.206,
269.701

■ 32, 37.511,
274.164

■ 32, 37.556,
274.218

251.019

■ 51, 8.597, 249.397

■ 53, 4.321, 248.076

■ 56, 0.053, 60.919

■ 59, 4.501, 65.841

■ 61, 9.000, 65.067

■ 64, 13.531, 64.389

■ 67, 18.078, 63.802

■ 70, 22.628, 63.292

■ 72, 27.171, 62.846

Harmonies

Complementary

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



48, 12.747, 251.019



49, 14.334, 63.758

Rectangle

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



48, 12.747, 251.019



48, 12.747, 301.019



48, 12.747, 71.019



48, 12.747, 121.019

Sweetspot

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



48, 12.746, 251.015



68, 4.871, 247.998



52, 20.789, 156.908



35, 3.365, 248.145



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



48, 12.746, 251.015



59, 18.769, 252.330



42, 22.148, 290.309



27, 2.452, 247.989



31, 36.684, 274.065



0, 0.593, 246.893

Inverse Universe

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



45, 21.151, 342.248



54, 31.467, 342.925



54, 20.921, 103.587



26, 3.910, 340.454



27, 52.742, 353.999



0, 0.928, 339.814

Previews

White Background



This preview shows how the CIELCh color 48, 12.747, 251.019 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 48, 12.747, 251.019 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

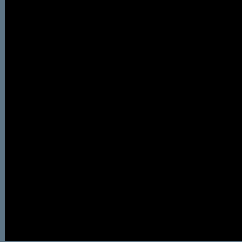
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

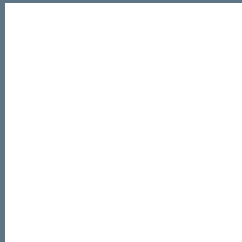
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 48, 12.747, 251.019

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.747, 251.019.



This preview shows how white text looks on a background with the CIELCh color 48, 12.747, 251.019.

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, 12.747, 251.019

Protanopia

48, 10.657, 285.491

Deuteranopia

48, 14.251, 296.582



Tritanopia
48, 10.766, 228.234

Trichromacy



Original Color
48, 12.747, 251.019

Protanomaly
48, 11.150, 272.136

Deuteranomaly
48, 13.115, 282.173

Tritanomaly
48, 11.325, 237.513

Monochromacy



Original Color
48, 12.747, 251.019

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.926, 245.316

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.747, 251.019 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(94, 117, 134)` looks like.

```
.text, #text, p{  
    color:rgb(94, 117, 134)  
}
```

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(94, 117, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 117, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.747, 251.019 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(94, 117, 134) }
```

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

```
.border{ border-color:rgb(94, 117, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 117, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 117, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 117, 134);  
box-shadow:4px 4px 4px 4px rgb(94, 117,  
134) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.747, 251.019 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 117, 134) }
```

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

```
.background{ background-color: rgb(94, 117,  
134) }
```

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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