

Converting Colors

CIELCh(48, 12.429, 236.946)

Have a look what the booklet for
CIELCh(48, 12.429, 236.946)
contains.

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Color

CIELCh(48, 12.419, 236.915)

Conversions

Conversions Part 1

Format	Color
Hex	5A7683
RGB	90, 118, 131
RGB Percent	35%, 46%, 51%
CMY	0.6467, 0.5369, 0.4860
CMYK	0.31, 0.10, 0.00, 0.49
HSL	199°, 19%, 43%
HSV	199°, 31%, 51%
XYZ	14.8145, 16.7945, 23.9626
YIQ	111.1100, -20.8610, -1.8930

Conversions

Conversions Part 2

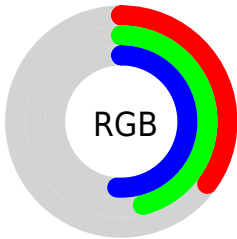
Format	Color
R_{YB}	90, 107, 131
Decimal	5928579
CIE _{Lab}	48.00, -6.78, -10.41
CIE _{LCh}	48, 12.419, 236.915
Yxy	16.7945, 0.2666, 0.3022
Android (android.graphics.Color)	4284118659 (0xFF5A7683)
YUV	111.1100, 9.8058, -18.5135
Hunter-Lab	40.9810, -7.1899, -5.9816

Details

The CIELCh color **48, 12.419, 236.915** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **46, 14.797, 51.643**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 12.485, 237.111**, and **28, 12.509, 236.897** is the 20% darker color. If you saturate the color by 10%, you get **46, 15.916, 238.497**, and if you desaturate by 10%, it is **50, 8.662, 235.647**.

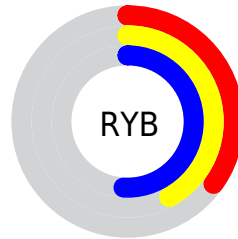
Distribution



Red (35%)

Green (46%)

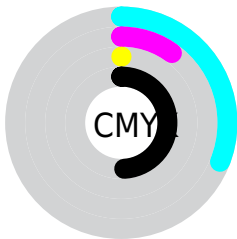
Blue (51%)



Red (35%)

Yellow (42%)

Blue (51%)

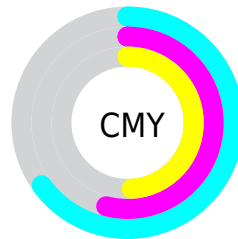


Cyan (31%)

Magenta (10%)

Yellow (0%)

Black (49%)



Cyan (65%)


Magenta (54%)


Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 12.419, 236.915 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, 12.419, 236.915 by changing the saturation by 10% instead.


 48, 12.419,
236.915


 48, 12.419,
236.915


 100, 12.419,
236.915


 38, 12.419,
236.915

 68, 12.419,
236.915


 28, 12.419,
236.915

 78, 12.419,
236.915

 18, 12.419,
236.915


 88, 12.419,
236.915

 8, 12.419, 236.915

 98, 12.419,
236.915

 0, 12.419, 236.915

 48, 12.419,

 48, 12.419,

236.915

■ 46, 15.916,
238.497

■ 44, 19.113,
240.474

■ 42, 21.978,
242.922

■ 40, 24.499,
245.918

■ 39, 26.697,
249.526

■ 37, 28.632,
253.762

■ 36, 30.278,
257.623

236.915

■ 50, 8.662, 235.647

■ 52, 4.689, 234.661

■ 55, 0.544, 234.433

■ 57, 3.737, 53.009

■ 59, 8.121, 52.533

■ 61, 12.579, 52.122

■ 64, 17.088, 51.785

■ 66, 21.630, 51.509

■ 69, 26.188, 51.283

Harmonies

Complementary

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



48, 12.419, 236.915



46, 14.797, 51.643

Rectangle

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



48, 12.419, 236.915



48, 12.419, 286.915



48, 12.419, 56.915



48, 12.419, 106.915

Sweetspot

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



48, 12.419, 236.911



67, 4.666, 234.493



51, 23.110, 152.499



35, 3.259, 234.594



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, 12.419, 236.911



60, 18.330, 238.083



42, 20.335, 285.599



27, 2.377, 234.487



35, 30.094, 257.579



0, 0.579, 233.688

Inverse Universe

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



43, 23.386, 337.210



53, 35.161, 337.832



52, 19.552, 97.919



26, 4.220, 335.556



28, 55.733, 345.473



0, 1.003, 334.981

Previews

White Background



This preview shows how the CIELCh color 48, 12.419, 236.915 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, 12.419, 236.915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

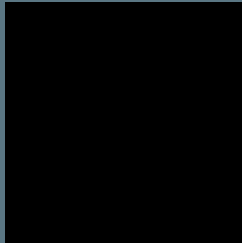
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 12.419, 236.915

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.419, 236.915.

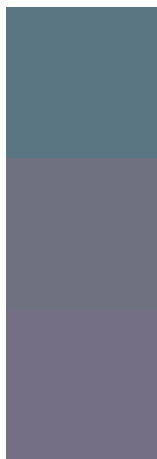


This preview shows how white text looks on a background with the CIELCh color 48, 12.419, 236.915.

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, 12.419, 236.915

Protanopia
48, 8.870, 286.412

Deuteranopia
48, 13.171, 300.174



Tritanopia
48, 11.937, 224.933

Trichromacy



Original Color
48, 12.419, 236.915

Protanomaly
48, 9.287, 262.293

Deuteranomaly
48, 10.865, 277.647

Tritanomaly
48, 12.150, 227.608

Monochromacy



Original Color
48, 12.419, 236.915

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.855, 228.277

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.419, 236.915 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(90, 118, 131)` looks like.

```
.text, #text, p{  
    color:rgb(90, 118, 131)  
}
```

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(90, 118, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 118, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.419, 236.915 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(90, 118, 131) }
```

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

```
.border{ border-color:rgb(90, 118, 131) }
```

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

Here you see how a box with a 4 pixel rgb(90, 118, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 118, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 118, 131);  
box-shadow:4px 4px 4px 4px rgb(90, 118,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.419, 236.915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 118, 131) }
```

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

```
.background{ background-color: rgb(90, 118,  
131) }
```

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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