

Converting Colors

CIELCh(48, 12.750, 313.106)

Have a look what the booklet for
CIELCh(48, 12.750, 313.106)
contains.

CIELCh(48, 12.750, 313.106)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(48, 12.750, 313.106)

Conversions

Conversions Part 1

Format	Color
Hex	7A6E82
RGB	122, 110, 130
RGB Percent	48%, 43%, 51%
CMY	0.5229, 0.5699, 0.4916
CMYK	0.06, 0.15, 0.00, 0.49
HSL	276°, 8%, 47%
HSV	276°, 15%, 51%
XYZ	17.5234, 16.7945, 23.3156
YIQ	115.8680, 0.7320, 8.7640

Conversions

Conversions Part 2

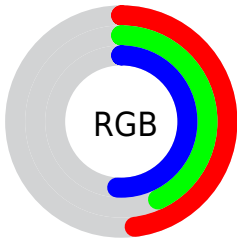
Format	Color
R_{YB}	122, 110, 130
Decimal	8023682
CIE Lab	48.00, 8.71, -9.31
CIE LCh	48, 12.750, 313.106
Yxy	16.7945, 0.3040, 0.2914
Android (android.graphics.Color)	4286213762 (0xFF7A6E82)
YUV	115.8680, 6.9671, 5.3778
Hunter-Lab	40.9810, 4.6092, -5.0455

Details

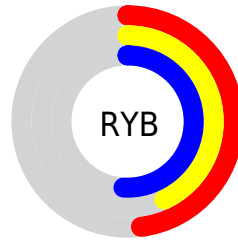
The CIELCh color $48, 12.750, 313.106$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $53, 12.548, 131.849$, and the grayscale version is $49, 0.006, 296.813$.

A 20% lighter version of the original color is $68, 12.442, 311.999$, and $28, 13.203, 312.709$ is the 20% darker color. If you saturate the color by 10%, you get $44, 21.242, 313.547$, and if you desaturate by 10%, it is $52, 4.428, 312.672$.

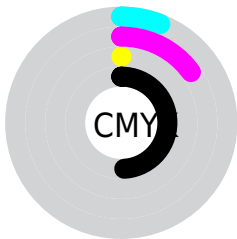
Distribution



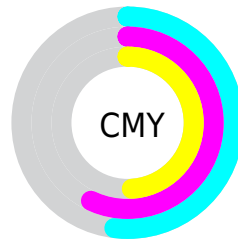
- Red (48%)
- Green (43%)
- Blue (51%)



- Red (48%)
- Yellow (43%)
- Blue (51%)



- Cyan (6%)
- Magenta (15%)
- Yellow (0%)
- Black (49%)



- Cyan (52%)
- Magenta (57%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 12.750, 313.106 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, 12.750, 313.106 by changing the saturation by 10% instead.


 48, 12.750,
313.106


 48, 12.750,
313.106


 100, 12.750,
313.106

 38, 12.750,
313.106

 68, 12.750,
313.106


 28, 12.750,
313.106

 78, 12.750,
313.106

 18, 12.750,
313.106


 88, 12.750,
313.106

 8, 12.750, 313.106

 98, 12.750,
313.106

 0, 12.750, 313.106

 48, 12.750,

 48, 12.750,

313.106

■ 44, 21.242,
313.547

■ 40, 29.844,
313.996

■ 36, 38.443,
314.433

■ 33, 46.857,
314.827

■ 29, 54.814,
315.133

■ 26, 61.931,
315.289

■ 24, 67.745,
315.218

■ 22, 71.938,
314.872

313.106

■ 52, 4.428, 312.672

■ 56, 3.685, 132.338

■ 60, 11.574,
131.962

■ 64, 19.236,
131.636

■ 68, 26.674,
131.344

■ 72, 33.894,
131.085

■ 76, 40.907,
130.855

■ 80, 47.721,
130.652

■ 21, 73.776,
314.729

■ 84, 54.349,
130.475

Harmonies

Complementary

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



48, 12.750, 313.106



53, 12.548, 131.849

Rectangle

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



48, 12.750, 313.106



48, 12.750, 3.106



48, 12.750, 133.106



48, 12.750, 183.106

Sweetspot

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



48, 12.749, 313.105



66, 5.058, 312.658



49, 7.465, 265.973



34, 3.437, 312.685



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



48, 12.749, 313.105



60, 18.485, 313.236



49, 13.407, 327.607



25, 4.563, 312.832



20, 72.880, 314.747



0, 0.000, 0.000

Inverse Universe

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



48, 9.434, 350.768



61, 13.687, 351.074



52, 13.386, 145.847



25, 3.370, 350.144



26, 50.596, 9.874



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 48, 12.750, 313.106 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, 12.750, 313.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

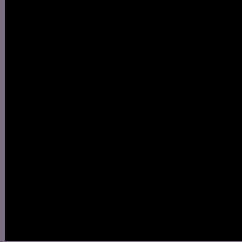
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 12.750, 313.106

Background



This preview shows how black text looks on a background with the CIELCh color 48, 12.750, 313.106.



This preview shows how white text looks on a background with the CIELCh color 48, 12.750, 313.106.

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

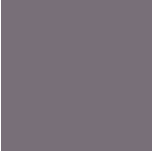
48, 12.750, 313.106

Protanopia

48, 11.218, 287.814

Deuteranopia

48, 11.013, 305.797



Tritanopia
48, 6.454, 324.806

Trichromacy



Original Color
48, 12.750, 313.106

Protanomaly
48, 11.297, 297.481

Deuteranomaly
48, 11.117, 307.750

Tritanomaly
48, 8.674, 318.300

Monochromacy



Original Color
48, 12.750, 313.106

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 4.441, 311.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 12.750, 313.106 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(122, 110, 130)` looks like.

```
.text, #text, p{  
    color:rgb(122, 110, 130)  
}
```

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(122, 110, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 110, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 12.750, 313.106 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(122, 110, 130) }
```

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

```
.border{ border-color:rgb(122, 110, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 110, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 110, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 110, 130);  
box-shadow:4px 4px 4px 4px rgb(122, 110,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 12.750, 313.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 110, 130) }
```

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

```
.background{ background-color: rgb(122,  
110, 130) }
```

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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