

Converting Colors

CIELCh(48, 31.883, 270.523)

Have a look what the booklet for
CIELCh(48, 31.883, 270.523)
contains.

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Color

CIELCh(48, 31.915, 270.618)

Conversions

Conversions Part 1

Format	Color
Hex	4874A7
RGB	72, 116, 167
RGB Percent	28%, 45%, 65%
CMY	0.7157, 0.5434, 0.3433
CMYK	0.57, 0.30, 0.00, 0.34
HSL	212°, 40%, 47%
HSV	212°, 57%, 66%
XYZ	16.0225, 16.7945, 39.1832
YIQ	108.6580, -42.5950, 6.5330

Conversions

Conversions Part 2

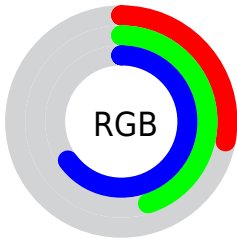
Format	Color
R_{YB}	72, 102, 167
Decimal	4748455
CIE _{Lab}	48.00, 0.34, -31.91
CIE _{LCh}	48, 31.915, 270.618
Yxy	16.7945, 0.2225, 0.2333
Android (android.graphics.Color)	4282938535 (0xFF4874A7)
YUV	108.6580, 28.7626, -32.1491
Hunter-Lab	40.9810, -1.9282, -28.0022

Details

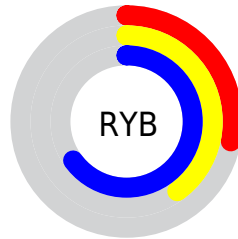
The CIELCh color **48, 31.915, 270.618** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **55, 36.044, 72.012**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 31.645, 270.124**, and **28, 32.204, 271.215** is the 20% darker color. If you saturate the color by 10%, you get **45, 37.423, 273.869**, and if you desaturate by 10%, it is **52, 26.386, 267.815**.

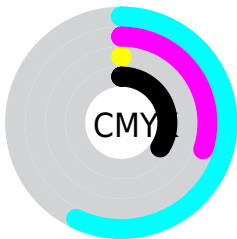
Distribution



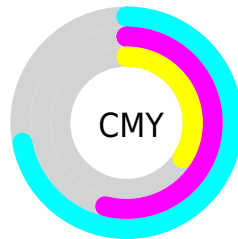
- Red (28%)
- Green (45%)
- Blue (65%)



- Red (28%)
- Yellow (40%)
- Blue (65%)



- Cyan (57%)
- Magenta (30%)
- Yellow (0%)
- Black (34%)




- Cyan (72%)
- Magenta (54%)
- Yellow (34%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 31.915, 270.618 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, 31.915, 270.618 by changing the saturation by 10% instead.


 48, 31.915,
270.618


 48, 31.915,
270.618


 100, 31.915,
270.618


 38, 31.915,
270.618


 68, 31.915,
270.618


 28, 31.915,
270.618


 78, 31.915,
270.618

 18, 31.915,
270.618

 88, 31.915,
270.618

 8, 31.915, 270.618

 98, 31.915,
270.618

 0, 31.915, 270.618

 48, 31.915,

 48, 31.915,

270.618

270.618

■ 45, 37.423,
273.869

■ 52, 26.386,
267.815

■ 41, 42.958,
277.560

■ 55, 20.813,
265.426

■ 38, 48.583,
281.622

■ 59, 15.192,
263.403

■ 35, 54.362,
285.871

■ 62, 9.528, 261.696

■ 34, 56.314,
287.180

■ 66, 3.836, 260.283

■ 70, 1.868, 78.800

■ 74, 7.569, 77.850

■ 77, 13.254, 76.941

■ 81, 18.909, 76.142

Harmonies

Complementary

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



48, 31.915, 270.618



55, 36.044, 72.012

Rectangle

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



48, 31.915, 270.618



48, 31.915, 320.618



48, 31.915, 90.618



48, 31.915, 140.618

Sweetspot

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



48, 31.914, 270.618



79, 11.953, 261.789



62, 41.378, 159.291



41, 8.056, 262.096



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



48, 31.914, 270.618



56, 47.024, 274.753



36, 58.492, 299.435



34, 3.244, 260.615



30, 50.863, 286.702



2, 6.288, 265.587

Inverse Universe

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



45, 44.262, 352.371



53, 63.048, 354.927



67, 49.809, 106.564



33, 4.420, 346.450



31, 56.282, 4.684



2, 7.639, 349.521

Previews

White Background



This preview shows how the CIELCh color 48, 31.915, 270.618 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, 31.915, 270.618 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, 31.915, 270.618

Background



This preview shows how black text looks on a background with the CIELCh color 48, 31.915, 270.618.

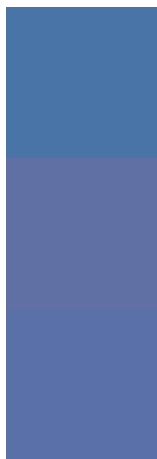


This preview shows how white text looks on a background with the CIELCh color 48, 31.915, 270.618.

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, 31.915, 270.618

Protanopia

48, 30.829, 285.219

Deuteranopia

48, 32.882, 281.481



Tritanopia
48, 20.994, 213.896

Trichromacy



Original Color
48, 31.915, 270.618

Protanomaly
48, 30.716, 278.906

Deuteranomaly
48, 32.673, 277.796

Tritanomaly
48, 22.268, 239.877

Monochromacy



Original Color
48, 31.915, 270.618

Achromatopsia
46, 0.006, 296.813

Achromatomaly
47, 11.997, 262.373

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 31.915, 270.618 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(72, 116, 167)` looks like.

```
.text, #text, p{  
    color:rgb(72, 116, 167)  
}
```

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(72, 116, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 116, 167) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 31.915, 270.618 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(72, 116, 167) }
```

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

```
.border{ border-color:rgb(72, 116, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 116, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 116, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 116, 167);  
box-shadow:4px 4px 4px 4px rgb(72, 116,  
167) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 31.915, 270.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 116, 167) }
```

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

```
.background{ background-color: rgb(72, 116,  
167) }
```

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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