

Converting Colors

CIELCh(48, 30.629, 250.747)

Have a look what the booklet for
CIELCh(48, 30.629, 250.747)
contains.

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Color

CIELCh(48, 30.610, 250.908)

Conversions

Conversions Part 1

Format	Color
Hex	2879A2
RGB	40, 121, 162
RGB Percent	16%, 47%, 64%
CMY	0.8420, 0.5247, 0.3639
CMYK	0.75, 0.25, 0.00, 0.36
HSL	200°, 60%, 40%
HSV	200°, 75%, 64%
XYZ	14.2869, 16.7945, 36.7666
YIQ	101.4550, -61.4370, -4.4210

Conversions

Conversions Part 2

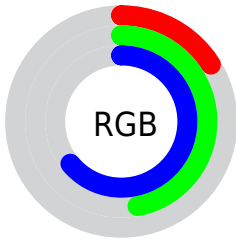
Format	Color
R_{YB}	40, 89, 162
Decimal	2652578
CIE _{Lab}	48.00, -10.01, -28.93
CIE _{LCh}	48, 30.610, 250.908
Yxy	16.7945, 0.2106, 0.2475
Android (android.graphics.Color)	4280842658 (0xFF2879A2)
YUV	101.4550, 29.8487, -53.8960
Hunter-Lab	40.9810, -9.4877, -24.5059

Details

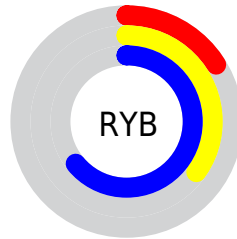
The CIELCh color **48, 30.610, 250.908** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **44, 48.936, 51.622**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 30.624, 251.299**, and **29, 27.287, 259.926** is the 20% darker color. If you saturate the color by 10%, you get **46, 33.264, 255.038**, and if you desaturate by 10%, it is **50, 27.639, 247.419**.

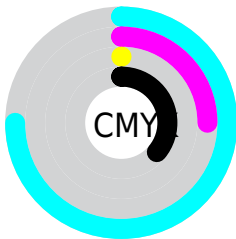
Distribution



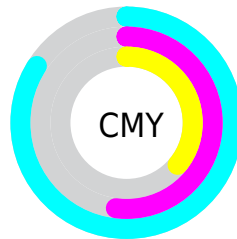
- Red (16%)
- Green (47%)
- Blue (64%)



- Red (16%)
- Yellow (35%)
- Blue (64%)



- Cyan (75%)
- Magenta (25%)
- Yellow (0%)
- Black (36%)





- Cyan (84%)
- Magenta (52%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 48, 30.610, 250.908 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, 30.610, 250.908 by changing the saturation by 10% instead.


 48, 30.610,
250.908


 48, 30.610,
250.908


 100, 30.610,
250.908

 38, 30.610,
250.908

 68, 30.610,
250.908


 28, 30.610,
250.908

 78, 30.610,
250.908

 18, 30.610,
250.908

 88, 30.610,
250.908

 8, 30.610, 250.908

 98, 30.610,
250.908

 0, 30.610, 250.908

 48, 30.610,

 48, 30.610,

250.908

■ 46, 33.264,
255.038

■ 44, 35.713,
259.756

■ 43, 36.925,
262.038

250.908

■ 50, 27.639,
247.419

■ 52, 24.298,
244.536

■ 55, 20.578,
242.187

■ 57, 16.502,
240.291

■ 60, 12.112,
238.769

■ 63, 7.456, 237.559

■ 65, 2.585, 236.671

■ 68, 2.455, 55.539

■ 71, 7.623, 55.003

Harmonies

Complementary

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



48, 30.610, 250.908



44, 48.936, 51.622

Rectangle

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



48, 30.610, 250.908



48, 30.610, 300.908



48, 30.610, 70.908



48, 30.610, 120.908

Sweetspot

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



48, 30.609, 250.908



77, 13.806, 238.540



59, 60.571, 147.131



40, 9.554, 239.010



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



48, 30.609, 250.908



58, 42.511, 258.073



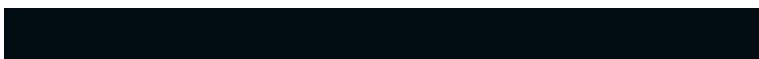
30, 64.034, 296.773



33, 2.828, 236.983



39, 33.887, 261.516



3, 4.527, 243.185

Inverse Universe

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



39, 59.045, 342.853



48, 77.669, 345.677



59, 53.710, 93.783



32, 4.949, 336.402



32, 59.612, 347.163



1, 7.331, 338.352

Previews

White Background



This preview shows how the CIE LCh color 48, 30.610, 250.908 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, 30.610, 250.908 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, 30.610, 250.908

Background



This preview shows how black text looks on a background with the CIELCh color 48, 30.610, 250.908.



This preview shows how white text looks on a background with the CIELCh color 48, 30.610, 250.908.

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, 30.610, 250.908

Protanopia

48, 25.504, 285.177

Deuteranopia

48, 30.994, 283.041



Tritanopia
48, 28.482, 208.781

Trichromacy



Original Color
48, 30.610, 250.908

Protanomaly
47, 27.147, 269.336

Deuteranomaly
47, 30.162, 270.160

Tritanomaly
48, 27.957, 225.144

Monochromacy



Original Color
48, 30.610, 250.908

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 13.411, 240.827

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 30.610, 250.908 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(40, 121, 162)` looks like.

```
.text, #text, p{  
    color:rgb(40, 121, 162)  
}
```

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(40, 121, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 121, 162) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 30.610, 250.908 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(40, 121, 162) }
```

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

```
.border{ border-color:rgb(40, 121, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 121, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 121, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 121, 162);  
box-shadow:4px 4px 4px 4px rgb(40, 121,  
162) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 30.610, 250.908 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 121, 162) }
```

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

```
.background{ background-color: rgb(40, 121,  
162) }
```

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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