

Converting Colors

CIELCh(44, 31.646, 248.479)

Have a look what the booklet for
CIELCh(44, 31.646, 248.479)
contains.

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Color

CIELCh(44, 31.430, 248.139)

Conversions

Conversions Part 1

Format	Color
Hex	007098
RGB	0, 112, 152
RGB Percent	0%, 44%, 60%
CMY	1.0000, 0.5610, 0.4042
CMYK	1.00, 0.26, 0.00, 0.40
HSL	196°, 100%, 30%
HSV	196°, 100%, 60%
XYZ	11.4468, 13.8382, 31.7453
YIQ	83.0720, -79.5920, -11.3040

Conversions

Conversions Part 2

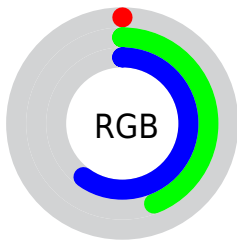
Format	Color
RYB	0, 64, 152
Decimal	28824
CIELab	44.00, -11.70, -29.17
CIELCh	44, 31.430, 248.139
Yxy	13.8382, 0.2007, 0.2426
Android (android.graphics.Color)	4278218904 (0xFF007098)
YUV	83.0720, 33.9815, -72.8541
Hunter-Lab	37.1997, -10.1730, -24.5567

Details

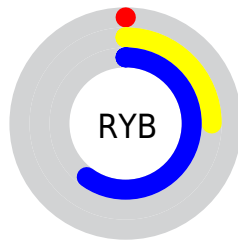
The CIELCh color **44, 31.430, 248.139** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 65.071, 46.216**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 31.160, 247.406**, and **26, 26.876, 264.205** is the 20% darker color. If you saturate the color by 10%, you get **44, 31.423, 248.154**, and if you desaturate by 10%, it is **45, 30.008, 243.876**.

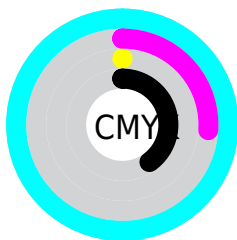
Distribution



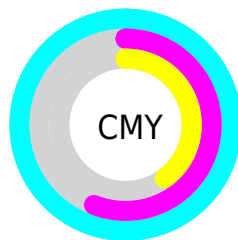
- Red (0%)
- Green (44%)
- Blue (60%)



- Red (0%)
- Yellow (25%)
- Blue (60%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (40%)




- Cyan (100%)
- Magenta (56%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 31.430, 248.139 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 44, 31.430, 248.139 by changing the saturation by 10% instead.


 44, 31.430,
248.139


 44, 31.430,
248.139


 100, 31.430,
248.139


 34, 31.430,
248.139

 64, 31.430,
248.139


 24, 31.430,
248.139

 74, 31.430,
248.139

 14, 31.430,
248.139

 84, 31.430,
248.139

 4, 31.430, 248.139

 94, 31.430,
248.139

 0, 31.430, 248.139

 44, 31.430,

 44, 31.430,

248.139

■ 44, 31.423,
248.154

248.139

■ 45, 30.008,
243.876

■ 47, 28.375,
240.039

■ 49, 26.320,
236.862

■ 50, 23.789,
234.289

■ 52, 20.776,
232.238

■ 54, 17.309,
230.625

■ 56, 13.439,
229.368

■ 58, 9.224, 228.402

Harmonies

Complementary

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



44, 31.430, 248.139



34, 65.071, 46.216

Rectangle

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



44, 31.430, 248.139



44, 31.430, 298.139



44, 31.430, 68.139



44, 31.430, 118.139

Sweetspot

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



44, 31.423, 248.154



71, 16.532, 229.433



55, 73.936, 140.035



37, 11.223, 229.889



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



44, 31.423, 248.154



56, 38.225, 249.179



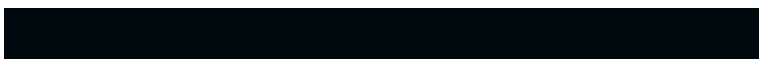
22, 73.849, 300.137



31, 2.691, 227.649



41, 29.576, 247.784



2, 2.960, 228.556

Inverse Universe

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



34, 64.440, 341.989



44, 77.632, 342.337



50, 57.031, 83.757



30, 4.942, 333.400



31, 60.860, 341.865



1, 5.258, 333.315

Previews

White Background



This preview shows how the CIE LCh color 44, 31.430, 248.139 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 44, 31.430, 248.139 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

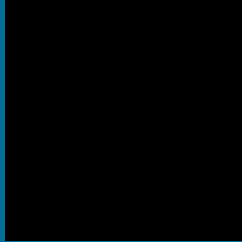
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 31.430, 248.139

Background



This preview shows how black text looks on a background with the CIELCh color 44, 31.430, 248.139.

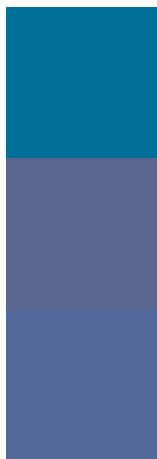


This preview shows how white text looks on a background with the CIELCh color 44, 31.430, 248.139.

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

44, 31.430, 248.139

Protanopia

44, 25.319, 285.283

Deuteranopia

44, 30.928, 282.177



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 31.430, 248.139

Protanomaly
43, 27.539, 263.046

Deuteranomaly
43, 30.966, 265.511

Tritanomaly
44, 27.052, 223.663

Monochromacy



Original Color
44, 31.430, 248.139

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 16.042, 230.790

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 31.430, 248.139 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(0, 112, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 152)  
}
```

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(0, 112, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 31.430, 248.139 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(0, 112, 152) }
```

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

```
.border{ border-color:rgb(0, 112, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 112, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 31.430, 248.139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 112, 152) }
```

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

```
.background{ background-color: rgb(0, 112,  
152) }
```

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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