

Converting Colors

CIELCh(44, 31.775, 249.129)

Have a look what the booklet for
CIELCh(44, 31.775, 249.129)
contains.

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Color

CIELCh(44, 31.773, 249.132)

Conversions

Conversions Part 1

Format	Color
Hex	007099
RGB	0, 112, 153
RGB Percent	0%, 44%, 60%
CMY	1.0000, 0.5615, 0.4007
CMYK	1.00, 0.27, 0.00, 0.40
HSL	196°, 100%, 30%
HSV	196°, 100%, 60%
XYZ	11.5004, 13.8382, 32.1194
YIQ	83.1860, -79.9130, -10.9930

Conversions

Conversions Part 2

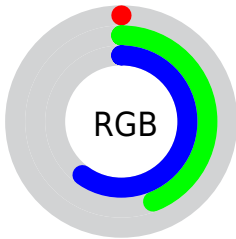
Format	Color
RYB	0, 65, 153
Decimal	28825
CIELab	44.00, -11.32, -29.69
CIElCh	44, 31.773, 249.132
Yxy	13.8382, 0.2002, 0.2408
Android (android.graphics.Color)	4278218905 (0xFF007099)
YUV	83.1860, 34.4183, -72.9541
Hunter-Lab	37.1997, -9.9156, -25.1530

Details

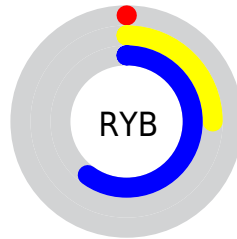
The CIELCh color **44, 31.773, 249.132** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **35, 65.206, 46.429**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 31.848, 249.120**, and **26, 27.384, 265.228** is the 20% darker color. If you saturate the color by 10%, you get **44, 31.753, 249.178**, and if you desaturate by 10%, it is **45, 30.277, 244.845**.

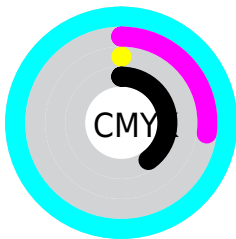
Distribution



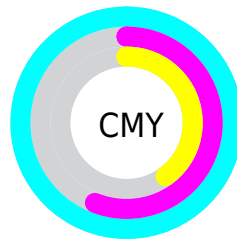
- Red (0%)
- Green (44%)
- Blue (60%)



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



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (40%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 31.773, 249.132 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, 31.773, 249.132 by changing the saturation by 10% instead.


 44, 31.773,
249.132


 44, 31.773,
249.132


 100, 31.773,
249.132


 34, 31.773,
249.132

 64, 31.773,
249.132


 24, 31.773,
249.132

 74, 31.773,
249.132

 14, 31.773,
249.132

 84, 31.773,
249.132

 4, 31.773, 249.132

 94, 31.773,
249.132

 0, 31.773, 249.132

 44, 31.773,

 44, 31.773,

249.132

■ 44, 31.753,
249.178

249.132

■ 45, 30.277,
244.845

■ 47, 28.592,
240.950

■ 49, 26.494,
237.716

■ 50, 23.927,
235.093

■ 52, 20.882,
232.999

■ 54, 17.389,
231.347

■ 56, 13.495,
230.057

■ 59, 9.260, 229.062

Harmonies

Complementary

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



44, 31.773, 249.132



35, 65.206, 46.429

Rectangle

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



44, 31.773, 249.132



44, 31.773, 299.132



44, 31.773, 69.132



44, 31.773, 119.132

Sweetspot

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



44, 31.753, 249.178



72, 16.697, 230.125



55, 73.485, 140.479



37, 11.220, 230.590



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, 31.753, 249.178



57, 38.857, 250.233



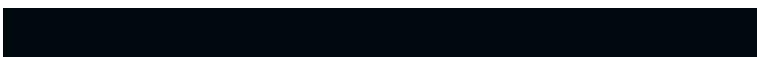
22, 75.794, 300.829



31, 2.688, 228.280



40, 29.752, 248.778



2, 2.957, 229.160

Inverse Universe

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



34, 64.488, 342.336



45, 78.105, 342.701



51, 57.597, 85.229



30, 4.924, 333.594



31, 60.656, 342.200



1, 5.239, 333.507

Previews

White Background



This preview shows how the CIE LCh color 44, 31.773, 249.132 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 44, 31.773, 249.132 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

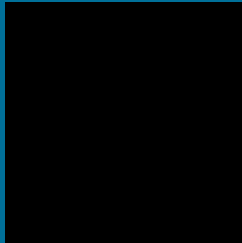
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 31.773, 249.132

Background



This preview shows how black text looks on a background with the CIELCh color 44, 31.773, 249.132.



This preview shows how white text looks on a background with the CIELCh color 44, 31.773, 249.132.

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, 31.773, 249.132

Protanopia

44, 25.904, 285.588

Deuteranopia

44, 31.548, 282.031



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 31.773, 249.132

Protanomaly
43, 28.020, 263.869

Deuteranomaly
43, 31.456, 266.229

Tritanomaly
44, 27.052, 223.663

Monochromacy



Original Color
44, 31.773, 249.132

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 16.066, 233.531

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 31.773, 249.132 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(0, 112, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 112, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 31.773, 249.132 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, 153) }
```

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

```
.border{ border-color:rgb(0, 112, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 112, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 112, 153);  
box-shadow:4px 4px 4px 4px rgb(0, 112,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 31.773, 249.132 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, 153) }
```

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

```
.background{ background-color: rgb(0, 112,  
153) }
```

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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