

Converting Colors

CIELCh(44, 30.732, 246.633)

Have a look what the booklet for
CIELCh(44, 30.732, 246.633)
contains.

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Color

CIELCh(44, 30.634, 246.390)

Conversions

Conversions Part 1

Format	Color
Hex	047096
RGB	4, 112, 150
RGB Percent	2%, 44%, 59%
CMY	0.9832, 0.5605, 0.4114
CMYK	0.97, 0.25, 0.00, 0.41
HSL	196°, 94%, 30%
HSV	196°, 97%, 59%
XYZ	11.3683, 13.8382, 30.9618
YIQ	84.0400, -76.5660, -11.0780

Conversions

Conversions Part 2

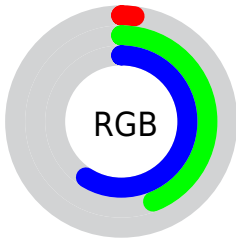
Format	Color
RYB	4, 66, 150
Decimal	290966
CIELab	44.00, -12.27, -28.07
CIElCh	44, 30.634, 246.390
Yxy	13.8382, 0.2024, 0.2464
Android (android.graphics.Color)	4278481046 (0xFF047096)
YUV	84.0400, 32.5183, -70.1951
Hunter-Lab	37.1997, -10.5498, -23.3079

Details

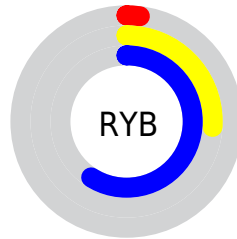
The CIELCh color **44, 30.634, 246.390** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **34, 62.648, 45.956**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 30.498, 245.619**, and **25, 25.884, 262.044** is the 20% darker color. If you saturate the color by 10%, you get **44, 31.039, 247.584**, and if you desaturate by 10%, it is **45, 29.242, 242.193**.

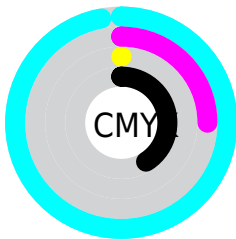
Distribution



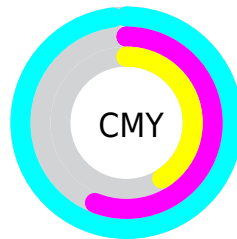
- Red (2%)
- Green (44%)
- Blue (59%)



- Red (2%)
- Yellow (26%)
- Blue (59%)



- Cyan (97%)
- Magenta (25%)
- Yellow (0%)
- Black (41%)





- Cyan (98%)
- Magenta (56%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 30.634, 246.390 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, 30.634, 246.390 by changing the saturation by 10% instead.


 44, 30.634,
246.390


 44, 30.634,
246.390


 100, 30.634,
246.390

 34, 30.634,
246.390

 64, 30.634,
246.390


 24, 30.634,
246.390

 74, 30.634,
246.390

 14, 30.634,
246.390

 84, 30.634,
246.390

 4, 30.634, 246.390

 94, 30.634,
246.390

 0, 30.634, 246.390

 44, 30.634,

 44, 30.634,

246.390

■ 44, 31.039,
247.584

246.390

■ 45, 29.242,
242.193

■ 47, 27.532,
238.585

■ 49, 25.379,
235.621

■ 50, 22.743,
233.237

■ 52, 19.632,
231.346

■ 54, 16.083,
229.863

■ 56, 12.148,
228.714

■ 58, 7.889, 227.838

Harmonies

Complementary

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



44, 30.634, 246.390



34, 62.648, 45.956

Rectangle

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



44, 30.634, 246.390



44, 30.634, 296.390



44, 30.634, 66.390



44, 30.634, 116.390

Sweetspot

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



44, 30.633, 246.391



71, 16.037, 228.969



54, 72.066, 140.489



37, 10.949, 229.415



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, 30.633, 246.391



56, 38.103, 248.658



23, 70.966, 299.341



30, 2.618, 227.323



40, 29.084, 247.182



2, 2.337, 226.729

Inverse Universe

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



33, 63.663, 341.397



44, 77.769, 342.159



50, 55.786, 84.254



29, 4.813, 333.298



30, 60.176, 341.666



1, 4.181, 332.740

Previews

White Background



This preview shows how the CIE LCh color 44, 30.634, 246.390 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, 30.634, 246.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

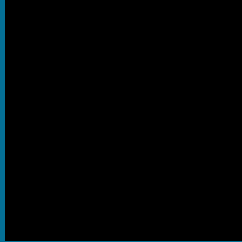
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 30.634, 246.390

Background



This preview shows how black text looks on a background with the CIELCh color 44, 30.634, 246.390.

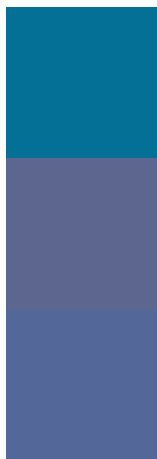


This preview shows how white text looks on a background with the CIELCh color 44, 30.634, 246.390.

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, 30.634, 246.390

Protanopia

44, 24.109, 285.407

Deuteranopia

44, 29.733, 281.974



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 30.634, 246.390

Protanomaly
43, 26.383, 262.195

Deuteranomaly
43, 29.830, 264.703

Tritanomaly
44, 26.848, 222.421

Monochromacy



Original Color
44, 30.634, 246.390

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 15.585, 231.924

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 30.634, 246.390 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(4, 112, 150)` looks like.

```
.text, #text, p{  
    color:rgb(4, 112, 150)  
}
```

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(4, 112, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 112, 150) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 30.634, 246.390 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(4, 112, 150) }
```

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

```
.border{ border-color:rgb(4, 112, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 112, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 112, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 112, 150);  
box-shadow:4px 4px 4px 4px rgb(4, 112,  
150) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 30.634, 246.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 112, 150) }
```

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

```
.background{ background-color: rgb(4, 112,  
150) }
```

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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