

Converting Colors

CIELCh(44, 29.525, 241.818)

Have a look what the booklet for
CIELCh(44, 29.525, 241.818)
contains.

CIELCh(44, 29.562, 241.660)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(44, 29.562, 241.660)

Conversions

Conversions Part 1

Format	Color
Hex	027193
RGB	2, 113, 147
RGB Percent	1%, 44%, 58%
CMY	0.9928, 0.5582, 0.4250
CMYK	0.99, 0.23, 0.00, 0.42
HSL	194°, 98%, 29%
HSV	194°, 99%, 58%
XYZ	11.1258, 13.8382, 29.5358
YIQ	83.6870, -77.0700, -12.9580

Conversions

Conversions Part 2

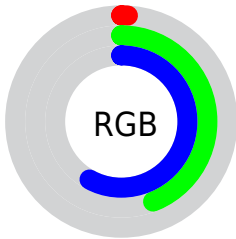
Format	Color
RYB	2, 65, 147
Decimal	160147
CIELab	44.00, -14.03, -26.02
CIELCh	44, 29.562, 241.660
Yxy	13.8382, 0.2041, 0.2539
Android (android.graphics.Color)	4278350227 (0xFF027193)
YUV	83.6870, 31.2133, -71.6395
Hunter-Lab	37.1997, -11.7133, -21.0352

Details

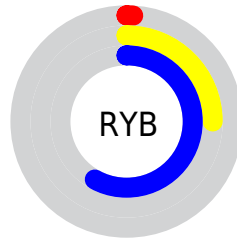
The CIELCh color **44, 29.562, 241.660** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **33, 63.314, 44.938**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 29.560, 241.186**, and **26, 24.068, 256.700** is the 20% darker color. If you saturate the color by 10%, you get **44, 29.704, 242.139**, and if you desaturate by 10%, it is **45, 28.452, 237.772**.

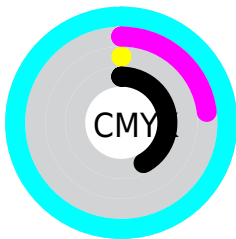
Distribution



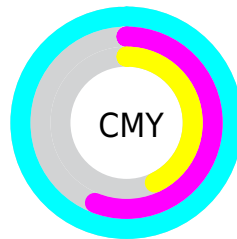
- Red (1%)
- Green (44%)
- Blue (58%)



- Red (1%)
- Yellow (25%)
- Blue (58%)



- Cyan (99%)
- Magenta (23%)
- Yellow (0%)
- Black (42%)



- Cyan (99%)
- Magenta (56%)
- Yellow (43%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 29.562, 241.660 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, 29.562, 241.660 by changing the saturation by 10% instead.

 44, 29.562,
241.660

 44, 29.562,
241.660

 100, 29.562,
241.660

 34, 29.562,
241.660

 64, 29.562,
241.660

 24, 29.562,
241.660

 74, 29.562,
241.660

 14, 29.562,
241.660

 84, 29.562,
241.660

 4, 29.562, 241.660

 94, 29.562,
241.660

 0, 29.562, 241.660

 44, 29.562,

 44, 29.562,

241.660

241.660

■ 44, 29.704,
242.139

■ 45, 28.452,
237.772

■ 47, 27.030,
234.392

■ 48, 25.133,
231.636

■ 50, 22.723,
229.436

■ 51, 19.808,
227.706

■ 53, 16.425,
226.366

■ 55, 12.632,
225.343

■ 57, 8.491, 224.579

Harmonies

Complementary

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



44, 29.562, 241.660



33, 63.314, 44.938

Rectangle

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



44, 29.562, 241.660



44, 29.562, 291.660



44, 29.562, 61.660



44, 29.562, 111.660

Sweetspot

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



44, 29.561, 241.660



70, 16.268, 225.513



53, 72.173, 139.840



36, 11.037, 225.892



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



44, 29.561, 241.660



57, 36.297, 243.156



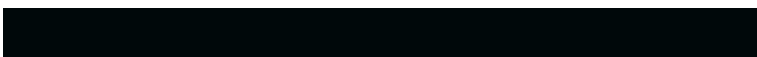
22, 69.234, 298.974



30, 2.639, 224.069



41, 28.344, 241.863



2, 2.358, 223.584

Inverse Universe

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



33, 63.918, 339.919



43, 77.687, 340.381



48, 54.960, 82.541



29, 4.903, 332.312



30, 61.266, 339.985



1, 4.260, 331.768

Previews

White Background



This preview shows how the CIE LCh color 44, 29.562, 241.660 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, 29.562, 241.660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

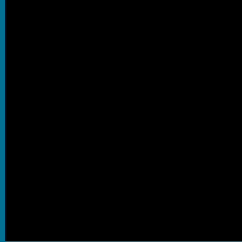
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 29.562, 241.660

Background



This preview shows how black text looks on a background with the CIELCh color 44, 29.562, 241.660.

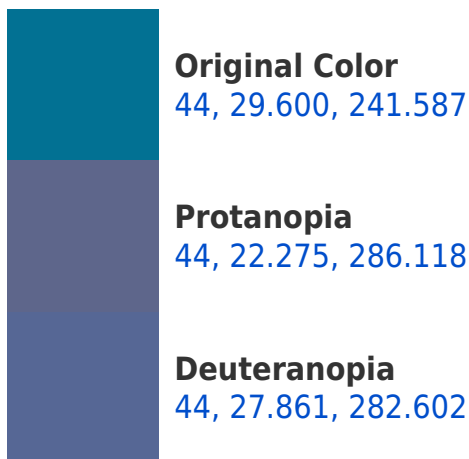



This preview shows how white text looks on a background with the CIELCh color 44, 29.562, 241.660.

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





Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 29.600, 241.587

Protanomaly
43, 24.982, 259.418

Deuteranomaly
43, 27.912, 261.328

Tritanomaly
44, 26.812, 220.996

Monochromacy



Original Color
44, 29.600, 241.587

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 15.613, 226.421

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 29.562, 241.660 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(2, 113, 147)` looks like.

```
.text, #text, p{  
    color:rgb(2, 113, 147)  
}
```

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(2, 113, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 113, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 29.562, 241.660 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(2, 113, 147) }
```

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

```
.border{ border-color:rgb(2, 113, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 113, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 113, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 113, 147);  
box-shadow:4px 4px 4px 4px rgb(2, 113,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 29.562, 241.660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 113, 147) }
```

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

```
.background{ background-color: rgb(2, 113,  
147) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor