

Converting Colors

CIELCh(44, 27.960, 231.280)

Have a look what the booklet for
CIELCh(44, 27.960, 231.280)
contains.

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Color

CIELCh(44, 27.932, 231.547)

Conversions

Conversions Part 1

Format	Color
Hex	00728C
RGB	0, 114, 140
RGB Percent	0%, 45%, 55%
CMY	1.0000, 0.5542, 0.4523
CMYK	1.00, 0.19, 0.00, 0.45
HSL	191°, 100%, 27%
HSV	191°, 100%, 55%
XYZ	10.6766, 13.8382, 26.7889
YIQ	82.8780, -76.2900, -16.0820

Conversions

Conversions Part 2

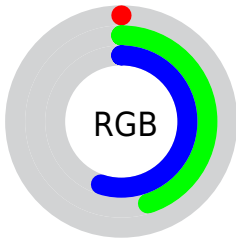
Format	Color
RYB	0, 63, 140
Decimal	29324
CIELab	44.00, -17.37, -21.87
CIELCh	44, 27.932, 231.547
Yxy	13.8382, 0.2081, 0.2697
Android (android.graphics.Color)	4278219404 (0xFF00728C)
YUV	82.8780, 28.1611, -72.6840
Hunter-Lab	37.1997, -13.8687, -16.6572

Details

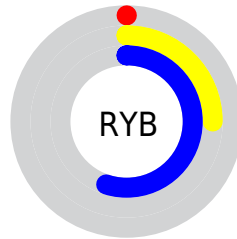
The CIELCh color **44, 27.932, 231.547** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **30, 62.809, 43.165**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 28.043, 231.915**, and **26, 21.352, 245.878** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.886, 231.615**, and if you desaturate by 10%, it is **45, 27.151, 228.531**.

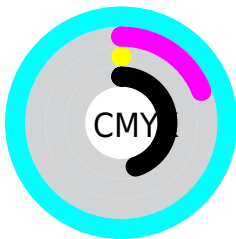
Distribution



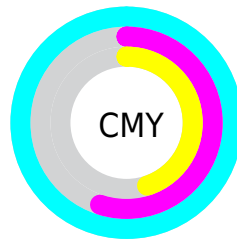
- Red (0%)
- Green (45%)
- Blue (55%)



- Red (0%)
- Yellow (25%)
- Blue (55%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (45%)




- Cyan (100%)
- Magenta (55%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 27.932, 231.547 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, 27.932, 231.547 by changing the saturation by 10% instead.


 44, 27.932,
231.547


 44, 27.932,
231.547


 100, 27.932,
231.547

 34, 27.932,
231.547

 64, 27.932,
231.547


 24, 27.932,
231.547

 74, 27.932,
231.547

 14, 27.932,
231.547

 84, 27.932,
231.547

 4, 27.932, 231.547

 94, 27.932,
231.547

 0, 27.932, 231.547

 44, 27.932,

 44, 27.932,

231.547

231.547

■ 44, 27.886,
231.615

■ 45, 27.151,
228.531

■ 46, 26.093,
225.833

■ 47, 24.505,
223.670

■ 48, 22.360,
221.974

■ 50, 19.673,
220.670

■ 51, 16.487,
219.691

■ 53, 12.860,
218.977

■ 55, 8.860, 218.479

Harmonies

Complementary

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



44, 27.932, 231.547



30, 62.809, 43.165

Rectangle

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



44, 27.932, 231.547



44, 27.932, 281.547



44, 27.932, 51.547



44, 27.932, 101.547

Sweetspot

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



44, 27.886, 231.615



67, 15.858, 219.016



50, 71.926, 138.596



35, 10.753, 219.260



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



44, 27.886, 231.615



56, 33.783, 232.463



23, 62.645, 296.681



28, 2.545, 218.164



42, 26.850, 231.422



1, 1.208, 217.889

Inverse Universe

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



31, 64.094, 337.076



41, 77.339, 337.304



44, 52.856, 77.879



27, 4.782, 330.560



30, 61.768, 337.024



0, 2.206, 330.044

Previews

White Background



This preview shows how the CIE LCh color 44, 27.932, 231.547 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, 27.932, 231.547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

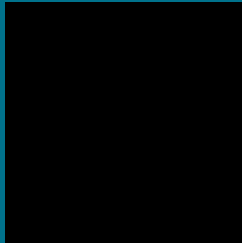
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 27.932, 231.547

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.932, 231.547.

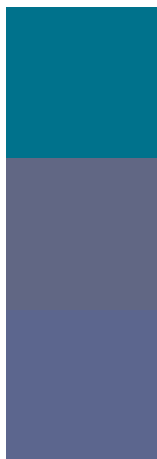


This preview shows how white text looks on a background with the CIELCh color 44, 27.932, 231.547.

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, 27.932, 231.547

Protanopia

44, 17.453, 285.478

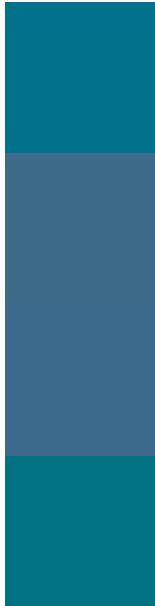
Deuteranopia

44, 24.109, 285.407



Tritanopia
44, 26.843, 209.752

Trichromacy



Original Color
44, 27.932, 231.547

Protanomaly
43, 21.385, 250.856

Deuteranomaly
43, 24.646, 257.954

Tritanomaly
44, 26.850, 216.644

Monochromacy



Original Color
44, 27.932, 231.547

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 15.271, 221.841

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 27.932, 231.547 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, 114, 140)` looks like.

```
.text, #text, p{  
    color:rgb(0, 114, 140)  
}
```

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, 114, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 114, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.932, 231.547 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, 114, 140) }
```

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

```
.border{ border-color:rgb(0, 114, 140) }
```

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

Here you see how a box with a 4 pixel rgb(0, 114, 140) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 114, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 114, 140);  
box-shadow:4px 4px 4px 4px rgb(0, 114,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.932, 231.547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 114, 140) }
```

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

```
.background{ background-color: rgb(0, 114,  
140) }
```

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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