

Converting Colors

CIELCh(42, 38.649, 220.764)

Have a look what the booklet for
CIELCh(42, 38.649, 220.764)
contains.

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Color

CIELCh(44, 27.990, 233.076)

Conversions

Conversions Part 1

Format	Color
Hex	02718D
RGB	2, 113, 141
RGB Percent	1%, 44%, 55%
CMY	0.9938, 0.5549, 0.4490
CMYK	0.99, 0.19, 0.00, 0.45
HSL	192°, 98%, 28%
HSV	192°, 99%, 55%
XYZ	10.7505, 13.8382, 27.1122
YIQ	83.0030, -75.1440, -14.8240

Conversions

Conversions Part 2

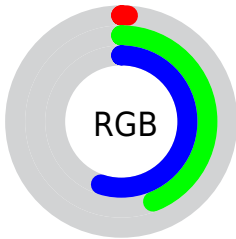
Format	Color
RYB	2, 64, 141
Decimal	160141
CIELab	44.00, -16.82, -22.38
CIELCh	44, 27.990, 233.076
Yxy	13.8382, 0.2079, 0.2677
Android (android.graphics.Color)	4278350221 (0xFF02718D)
YUV	83.0030, 28.5925, -71.0396
Hunter-Lab	37.1997, -13.5143, -17.1724

Details

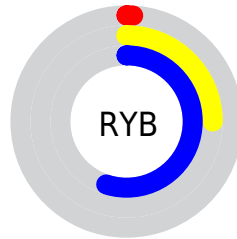
The CIELCh color **44, 27.990, 233.076** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **31, 62.288, 43.354**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 28.142, 234.688**, and **25, 21.984, 249.585** is the 20% darker color. If you saturate the color by 10%, you get **44, 28.080, 233.433**, and if you desaturate by 10%, it is **45, 27.196, 229.852**.

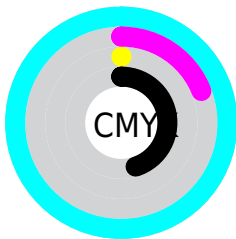
Distribution



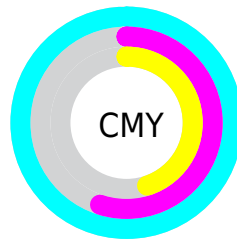
- Red (1%)
- Green (44%)
- Blue (55%)



- Red (1%)
- Yellow (25%)
- Blue (55%)



- Cyan (99%)
- Magenta (19%)
- Yellow (0%)
- Black (45%)




- Cyan (99%)
- Magenta (55%)
- Yellow (45%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 27.990, 233.076 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, 27.990, 233.076 by changing the saturation by 10% instead.

 44, 27.990,
233.076


 44, 27.990,
233.076


 100, 27.990,
233.076


 34, 27.990,
233.076

 64, 27.990,
233.076


 24, 27.990,
233.076

 74, 27.990,
233.076

 14, 27.990,
233.076

 84, 27.990,
233.076

 4, 27.990, 233.076

 94, 27.990,
233.076

 0, 27.990, 233.076

 44, 27.990,

 44, 27.990,

233.076

233.076

■ 44, 28.080,
233.433

■ 45, 27.196,
229.852

■ 46, 26.042,
227.080

■ 47, 24.362,
224.856

■ 49, 22.133,
223.110

■ 50, 19.371,
221.764

■ 52, 16.119,
220.748

■ 53, 12.439,
220.002

■ 55, 8.396, 219.477

Harmonies

Complementary

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



44, 27.990, 233.076



31, 62.288, 43.354

Rectangle

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



44, 27.990, 233.076



44, 27.990, 283.076



44, 27.990, 53.076



44, 27.990, 103.076

Sweetspot

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



44, 27.989, 233.076



68, 15.972, 220.117



51, 71.857, 138.715



34, 10.710, 220.380



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, 27.989, 233.076



57, 34.241, 234.338



23, 62.193, 296.367



29, 2.611, 219.163



42, 27.291, 233.284



1, 1.803, 218.851

Inverse Universe

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



31, 63.816, 337.463



42, 77.647, 337.816



44, 52.729, 78.068



28, 4.900, 330.856



30, 62.226, 337.527



1, 3.289, 330.333

Previews

White Background



This preview shows how the CIELCh color 44, 27.990, 233.076 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, 27.990, 233.076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

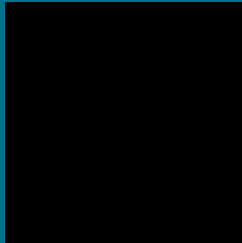
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 27.990, 233.076

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.990, 233.076.

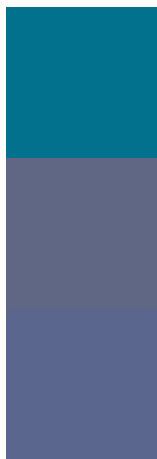


This preview shows how white text looks on a background with the CIELCh color 44, 27.990, 233.076.

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, 28.109, 234.469

Protanopia

44, 17.491, 284.325

Deuteranopia

44, 24.733, 284.966



Tritanopia
44, 26.883, 208.379

Trichromacy



Original Color
44, 28.109, 234.469

Protanomaly
43, 21.385, 250.856

Deuteranomaly
43, 25.213, 258.497

Tritanomaly
44, 26.678, 218.240

Monochromacy



Original Color
44, 28.109, 234.469

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, 27.990, 233.076 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, 141)` looks like.

```
.text, #text, p{  
    color:rgb(2, 113, 141)  
}
```

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, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 113, 141) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.990, 233.076 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, 141) }
```

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

```
.border{ border-color:rgb(2, 113, 141) }
```

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, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 113, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 113, 141);  
box-shadow:4px 4px 4px 4px rgb(2, 113,  
141) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.990, 233.076 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, 141) }
```

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

```
.background{ background-color: rgb(2, 113,  
141) }
```

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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