

Converting Colors

CIELCh(44, 27.054, 218.694)

Have a look what the booklet for
CIELCh(44, 27.054, 218.694)
contains.

CIELCh(44, 26.893, 218.018)	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, 26.893, 218.018)

Conversions

Conversions Part 1

Format	Color
Hex	007383
RGB	0, 115, 131
RGB Percent	0%, 45%, 51%
CMY	1.0000, 0.5499, 0.4872
CMYK	1.00, 0.12, 0.00, 0.49
HSL	187°, 100%, 26%
HSV	187°, 100%, 51%
XYZ	10.1779, 13.8382, 23.5257
YIQ	82.4390, -73.6760, -19.4040

Conversions

Conversions Part 2

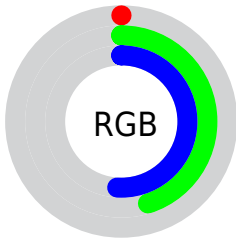
Format	Color
RYB	0, 61, 131
Decimal	29571
CIELab	44.00, -21.19, -16.56
CIElCh	44, 26.893, 218.018
Yxy	13.8382, 0.2141, 0.2911
Android (android.graphics.Color)	4278219651 (0xFF007383)
YUV	82.4390, 23.9406, -72.2990
Hunter-Lab	37.1997, -16.2619, -11.4562

Details

The CIELCh color **44, 26.893, 218.018** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 60.671, 41.034**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 26.777, 218.415**, and **26, 19.099, 228.584** is the 20% darker color. If you saturate the color by 10%, you get **44, 26.857, 218.050**, and if you desaturate by 10%, it is **45, 26.332, 216.205**.

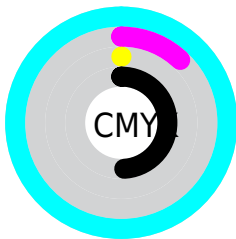
Distribution



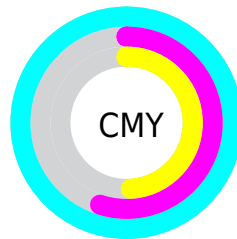
- Red (0%)
- Green (45%)
- Blue (51%)



- Red (0%)
- Yellow (24%)
- Blue (51%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (55%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 26.893, 218.018 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, 26.893, 218.018 by changing the saturation by 10% instead.


 44, 26.893,
218.018


 44, 26.893,
218.018


 100, 26.893,
218.018

 34, 26.893,
218.018

 64, 26.893,
218.018

 24, 26.893,
218.018

 74, 26.893,
218.018

 14, 26.893,
218.018

 84, 26.893,
218.018

 4, 26.893, 218.018

 94, 26.893,
218.018

 0, 26.893, 218.018

 44, 26.893,

 44, 26.893,

218.018

■ 44, 26.857,
218.050

218.018

■ 45, 26.332,
216.205

■ 45, 25.448,
214.607

■ 46, 23.997,
213.362

■ 47, 21.964,
212.424

■ 48, 19.371,
211.747

■ 49, 16.264,
211.289

■ 50, 12.706,
211.013

■ 52, 8.764, 210.889

Harmonies

Complementary

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



44, 26.893, 218.018



27, 60.671, 41.034

Rectangle

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



44, 26.893, 218.018



44, 26.893, 268.018



44, 26.893, 38.018



44, 26.893, 88.018

Sweetspot

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



44, 26.857, 218.050



65, 15.767, 211.027



47, 70.419, 137.487



33, 10.690, 211.112



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



44, 26.857, 218.050



57, 32.607, 218.625



23, 53.164, 292.362



27, 2.576, 210.923



44, 26.751, 218.036



0, 0.632, 210.909

Inverse Universe

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



30, 64.143, 333.610



39, 77.824, 333.752



39, 50.294, 71.956



26, 4.847, 328.446



29, 63.890, 333.606



0, 1.154, 327.957

Previews

White Background



This preview shows how the CIE LCh color 44, 26.893, 218.018 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, 26.893, 218.018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

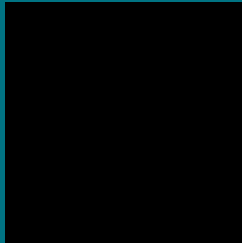
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

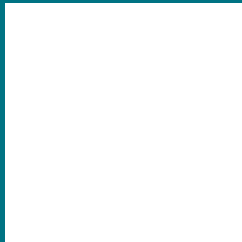
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 44, 26.893, 218.018

Background



This preview shows how black text looks on a background with the CIELCh color 44, 26.893, 218.018.

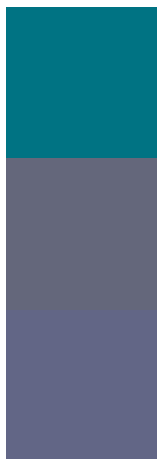


This preview shows how white text looks on a background with the CIELCh color 44, 26.893, 218.018.

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, 26.893, 218.018

Protanopia

44, 12.021, 286.459

Deuteranopia

44, 19.209, 288.581



Tritanopia
44, 26.843, 209.752

Trichromacy



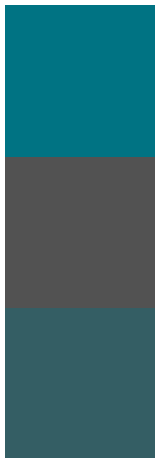
Original Color
44, 26.893, 218.018

Protanomaly
43, 17.827, 238.416

Deuteranomaly
43, 20.603, 248.196

Tritanomaly
44, 26.804, 212.508

Monochromacy



Original Color
44, 26.893, 218.018

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 15.147, 211.920

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 26.893, 218.018 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, 115, 131)` looks like.

```
.text, #text, p{  
    color:rgb(0, 115, 131)  
}
```

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, 115, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 115, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 26.893, 218.018 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, 115, 131) }
```

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

```
.border{ border-color:rgb(0, 115, 131) }
```

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

Here you see how a box with a 4 pixel rgb(0, 115, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 115, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 115, 131);  
box-shadow:4px 4px 4px 4px rgb(0, 115,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 26.893, 218.018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 115, 131) }
```

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

```
.background{ background-color: rgb(0, 115,  
131) }
```

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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