

Converting Colors

CIELCh(44, 26.601, 215.213)

Have a look what the booklet for
CIELCh(44, 26.601, 215.213)
contains.

CIELCh(44, 26.598, 215.447)	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, 26.598, 215.447)

Conversions

Conversions Part 1

Format	Color
Hex	047381
RGB	4, 115, 129
RGB Percent	2%, 45%, 51%
CMY	0.9857, 0.5495, 0.4946
CMYK	0.97, 0.11, 0.00, 0.49
HSL	187°, 94%, 26%
HSV	187°, 97%, 51%
XYZ	10.1161, 13.8382, 22.8627
YIQ	83.4070, -70.6500, -19.1780

Conversions

Conversions Part 2

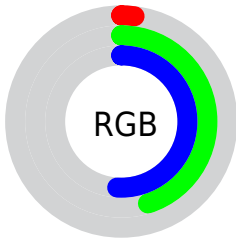
Format	Color
RYB	4, 63, 129
Decimal	291713
CIELab	44.00, -21.67, -15.43
CIELCh	44, 26.598, 215.447
Yxy	13.8382, 0.2161, 0.2956
Android (android.graphics.Color)	4278481793 (0xFF047381)
YUV	83.4070, 22.4773, -69.6399
Hunter-Lab	37.1997, -16.5583, -10.3995

Details

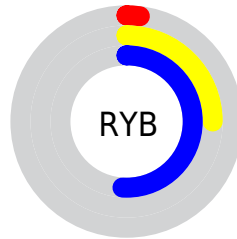
The CIELCh color **44, 26.598, 215.447** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 58.759, 40.242**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 26.626, 215.928**, and **25, 18.778, 226.870** is the 20% darker color. If you saturate the color by 10%, you get **44, 26.744, 215.907**, and if you desaturate by 10%, it is **45, 26.033, 213.830**.

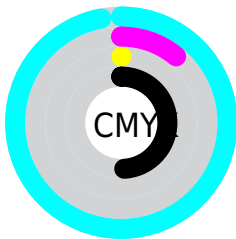
Distribution



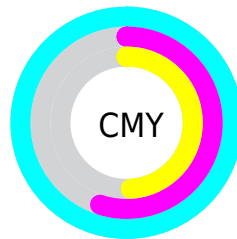
- Red (2%)
- Green (45%)
- Blue (51%)



- Red (2%)
- Yellow (25%)
- Blue (51%)



- Cyan (97%)
- Magenta (11%)
- Yellow (0%)
- Black (49%)



- Cyan (99%)
- Magenta (55%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 26.598, 215.447 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, 26.598, 215.447 by changing the saturation by 10% instead.

 44, 26.598,
215.447


 44, 26.598,
215.447


 100, 26.598,
215.447

 34, 26.598,
215.447

 64, 26.598,
215.447

 24, 26.598,
215.447

 74, 26.598,
215.447

 14, 26.598,
215.447

 84, 26.598,
215.447

 4, 26.598, 215.447

 94, 26.598,
215.447

 0, 26.598, 215.447

 44, 26.598,

 44, 26.598,

215.447

■ 44, 26.744,
215.907

215.447

■ 45, 26.033,
213.830

■ 45, 25.000,
212.506

■ 46, 23.393,
211.491

■ 47, 21.207,
210.745

■ 48, 18.475,
210.227

■ 49, 15.246,
209.902

■ 50, 11.585,
209.736

■ 52, 7.561, 209.708

Harmonies

Complementary

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



44, 26.598, 215.447



27, 58.759, 40.242

Rectangle

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



44, 26.598, 215.447



44, 26.598, 265.447



44, 26.598, 35.447



44, 26.598, 85.447

Sweetspot

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



44, 26.597, 215.446



64, 15.241, 209.764



47, 69.233, 137.462



33, 10.268, 209.819



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



44, 26.597, 215.446



57, 32.446, 216.429



24, 49.430, 290.161



26, 2.515, 209.791



43, 26.541, 215.883



0, 0.000, 0.000

Inverse Universe

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



29, 63.466, 332.940



39, 77.602, 333.210



38, 48.721, 71.004



25, 4.725, 328.112



29, 63.499, 333.076



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 44, 26.598, 215.447 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, 26.598, 215.447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

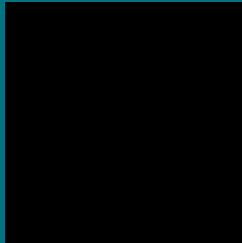
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 26.598, 215.447

Background



This preview shows how black text looks on a background with the CIELCh color 44, 26.598, 215.447.




This preview shows how white text looks on a background with the CIELCh color 44, 26.598, 215.447.

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](#).

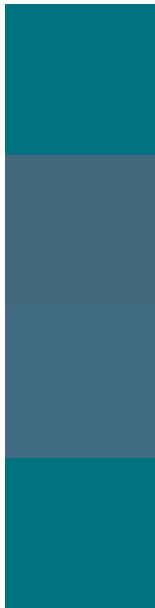
Dichromacy





Tritanopia
44, 26.843, 209.752

Trichromacy



Original Color
44, 26.598, 215.447

Protanomaly
43, 17.034, 235.365

Deuteranomaly
43, 19.516, 246.475

Tritanomaly
44, 26.758, 211.166

Monochromacy



Original Color
44, 26.598, 215.447

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 14.838, 209.742

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 26.598, 215.447 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, 115, 129)` looks like.

```
.text, #text, p{  
    color:rgb(4, 115, 129)  
}
```

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, 115, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 115, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 26.598, 215.447 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, 115, 129) }
```

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

```
.border{ border-color:rgb(4, 115, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 115, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 115, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 115, 129);  
box-shadow:4px 4px 4px 4px rgb(4, 115,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 26.598, 215.447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 115, 129) }
```

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

```
.background{ background-color: rgb(4, 115,  
129) }
```

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