

Converting Colors

CIELCh(44, 26.724, 213.285)

Have a look what the booklet for
CIELCh(44, 26.724, 213.285)
contains.

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Color

CIELCh(44, 26.692, 213.973)

Conversions

Conversions Part 1

Format	Color
Hex	027380
RGB	2, 115, 128
RGB Percent	1%, 45%, 50%
CMY	0.9918, 0.5489, 0.4980
CMYK	0.98, 0.10, 0.00, 0.50
HSL	186°, 97%, 26%
HSV	186°, 98%, 50%
XYZ	10.0563, 13.8382, 22.5698
YIQ	82.6950, -71.5210, -19.9130

Conversions

Conversions Part 2

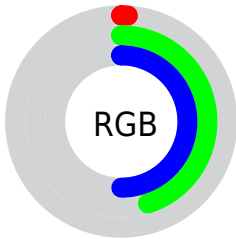
Format	Color
R_{YB}	2, 62, 128
Decimal	160640
CIE _{Lab}	44.00, -22.14, -14.92
CIE _{LCh}	44, 26.692, 213.973
Yxy	13.8382, 0.2164, 0.2978
Android (android.graphics.Color)	4278350720 (0xFF027380)
YUV	82.6950, 22.3354, -70.7695
Hunter-Lab	37.1997, -16.8451, -9.9325

Details

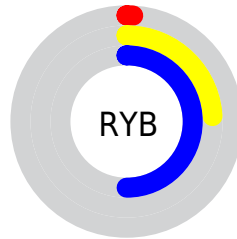
The CIELCh color **44, 26.692, 213.973** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 59.143, 40.176**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 26.568, 214.676**, and **25, 18.637, 224.737** is the 20% darker color. If you saturate the color by 10%, you get **44, 26.776, 214.210**, and if you desaturate by 10%, it is **45, 26.154, 212.500**.

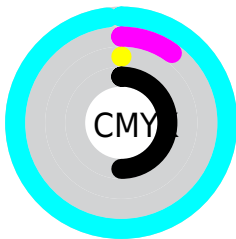
Distribution



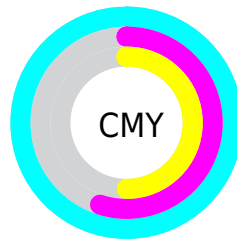
- Red (1%)
- Green (45%)
- Blue (50%)



- Red (1%)
- Yellow (24%)
- Blue (50%)



- Cyan (98%)
- Magenta (10%)
- Yellow (0%)
- Black (50%)





- Cyan (99%)
- Magenta (55%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 26.692, 213.973 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, 26.692, 213.973 by changing the saturation by 10% instead.


 44, 26.692,
213.973


 44, 26.692,
213.973


 100, 26.692,
213.973


 34, 26.692,
213.973

 64, 26.692,
213.973


 24, 26.692,
213.973

 74, 26.692,
213.973

 14, 26.692,
213.973

 84, 26.692,
213.973

 4, 26.692, 213.973

 94, 26.692,
213.973

 0, 26.692, 213.973

 44, 26.692,

 44, 26.692,

213.973

■ 44, 26.776,
214.210

213.973

■ 45, 26.154,
212.500

■ 45, 25.190,
211.271

■ 46, 23.652,
210.331

■ 47, 21.533,
209.646

■ 48, 18.861,
209.178

■ 49, 15.684,
208.893

■ 50, 12.067,
208.763

■ 51, 8.077, 208.764

Harmonies

Complementary

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



44, 26.692, 213.973



27, 59.143, 40.176

Rectangle

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



44, 26.692, 213.973



44, 26.692, 263.973



44, 26.692, 33.973



44, 26.692, 83.973

Sweetspot

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



44, 26.691, 213.972



63, 15.623, 208.781



46, 69.247, 137.378



33, 10.595, 208.822



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, 26.691, 213.972



56, 32.273, 214.674



24, 49.826, 290.552



26, 2.533, 208.886



44, 26.698, 214.202



0, 0.000, 0.000

Inverse Universe

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



29, 63.792, 332.590



38, 77.251, 332.779



38, 48.944, 70.800



25, 4.753, 327.848



29, 63.912, 332.663



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 44, 26.692, 213.973 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, 26.692, 213.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

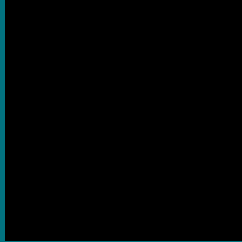
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 26.692, 213.973

Background



This preview shows how black text looks on a background with the CIELCh color 44, 26.692, 213.973.

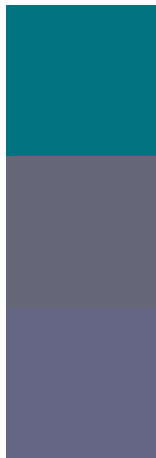


This preview shows how white text looks on a background with the CIELCh color 44, 26.692, 213.973.

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, 26.692, 213.973

Protanopia

44, 10.208, 287.313

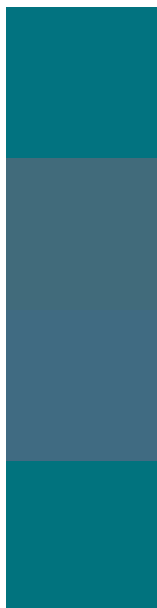
Deuteranopia

44, 17.394, 290.211



Tritanopia
44, 26.843, 209.752

Trichromacy



Original Color
44, 26.692, 213.973

Protanomaly
43, 16.766, 233.459

Deuteranomaly
43, 19.152, 244.974

Tritanomaly
44, 26.758, 211.166

Monochromacy



Original Color
44, 26.692, 213.973

Achromatopsia
35, 0.005, 296.813

Achromatomaly
38, 14.825, 207.279

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 26.692, 213.973 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, 115, 128)` looks like.

```
.text, #text, p{  
    color:rgb(2, 115, 128)  
}
```

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, 115, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 115, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 26.692, 213.973 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, 115, 128) }
```

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

```
.border{ border-color:rgb(2, 115, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 115, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 115, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 115, 128);  
box-shadow:4px 4px 4px 4px rgb(2, 115,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 26.692, 213.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 115, 128) }
```

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

```
.background{ background-color: rgb(2, 115,  
128) }
```

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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