

Converting Colors

CIELCh(44, 33.705, 212.626)

Have a look what the booklet for
CIELCh(44, 33.705, 212.626)
contains.

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Color

CIELCh(45, 27.337, 216.175)

Conversions

Conversions Part 1

Format	Color
Hex	007685
RGB	0, 118, 133
RGB Percent	0%, 46%, 52%
CMY	1.0000, 0.5388, 0.4800
CMYK	1.00, 0.11, 0.00, 0.48
HSL	187°, 100%, 26%
HSV	187°, 100%, 52%
XYZ	10.6254, 14.5417, 24.2963
YIQ	84.4280, -75.1430, -20.3510

Conversions

Conversions Part 2

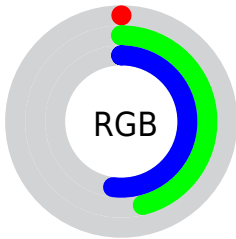
Format	Color
RYB	0, 63, 133
Decimal	30341
CIELab	45.00, -22.07, -16.14
CIELCh	45, 27.337, 216.175
Yxy	14.5417, 0.2148, 0.2940
Android (android.graphics.Color)	4278220421 (0xFF007685)
YUV	84.4280, 23.9460, -74.0434
Hunter-Lab	38.1336, -16.9973, -11.0823

Details

The CIELCh color **45, 27.337, 216.175** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 61.551, 40.869**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 27.338, 216.601**, and **26, 19.263, 225.795** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.275, 216.225**, and if you desaturate by 10%, it is **46, 26.765, 214.540**.

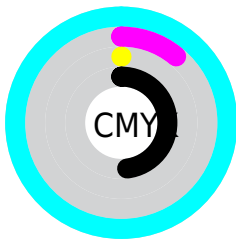
Distribution



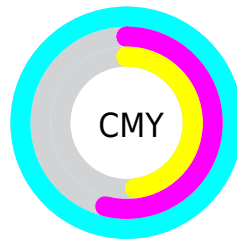
- Red (0%)
- Green (46%)
- Blue (52%)



- Red (0%)
- Yellow (25%)
- Blue (52%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (48%)





- Cyan (100%)
- Magenta (54%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 27.337, 216.175 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 45, 27.337, 216.175 by changing the saturation by 10% instead.


 45, 27.337,
216.175


 45, 27.337,
216.175


 100, 27.337,
216.175


 35, 27.337,
216.175

 65, 27.337,
216.175


 25, 27.337,
216.175

 75, 27.337,
216.175

 15, 27.337,
216.175

 85, 27.337,
216.175

 5, 27.337, 216.175

 95, 27.337,
216.175

 0, 27.337, 216.175

 45, 27.337,

 45, 27.337,

216.175

■ 45, 27.275,
216.225

216.175

■ 46, 26.765,
214.540

■ 46, 25.881,
213.088

■ 47, 24.417,
211.963

■ 48, 22.357,
211.123

■ 49, 19.724,
210.528

■ 50, 16.565,
210.139

■ 51, 12.944,
209.921

■ 53, 8.929, 209.847

Harmonies

Complementary

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



45, 27.337, 216.175



28, 61.551, 40.869

Rectangle

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



45, 27.337, 216.175



45, 27.337, 266.175



45, 27.337, 36.175



45, 27.337, 86.175

Sweetspot

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



45, 27.275, 216.225



66, 16.072, 209.931



48, 71.580, 137.227



33, 10.767, 209.995



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



45, 27.275, 216.225



58, 33.138, 216.745



24, 52.226, 291.249



27, 2.596, 209.928



44, 26.896, 216.183



0, 0.636, 209.951

Inverse Universe

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



30, 65.242, 333.160



40, 79.239, 333.288



39, 50.884, 70.395



26, 4.878, 328.156



29, 64.339, 333.150



0, 1.162, 327.669

Previews

White Background



This preview shows how the CIELCh color 45, 27.337, 216.175 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 45, 27.337, 216.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

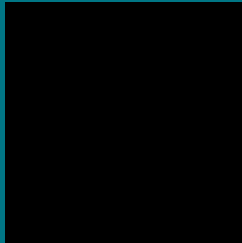
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.337, 216.175

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.337, 216.175.

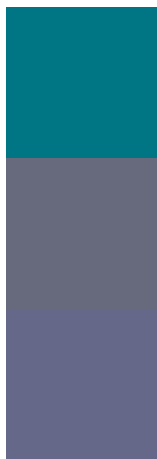


This preview shows how white text looks on a background with the CIELCh color 45, 27.337, 216.175.

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


45, 27.337, 216.175

Protanopia

45, 11.364, 287.931

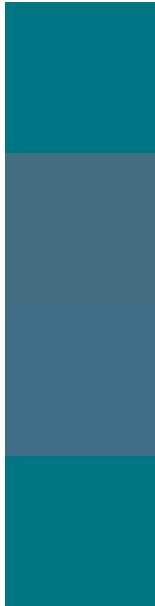
Deuteranopia

45, 19.129, 289.587



Tritanopia
45, 27.349, 209.440

Trichromacy



Original Color
45, 27.337, 216.175

Protanomaly
44, 17.468, 234.060

Deuteranomaly
44, 20.591, 248.013

Tritanomaly
45, 27.303, 212.132

Monochromacy



Original Color
45, 27.337, 216.175

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 15.426, 211.594

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.337, 216.175 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, 118, 133)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 133)  
}
```

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, 118, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.337, 216.175 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, 118, 133) }
```

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

```
.border{ border-color:rgb(0, 118, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 118, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
133) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.337, 216.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 133) }
```

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

```
.background{ background-color: rgb(0, 118,  
133) }
```

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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