

Converting Colors

CIELCh(44, 35.085, 204.033)

Have a look what the booklet for
CIELCh(44, 35.085, 204.033)
contains.

CIELCh(45, 27.618, 206.682)	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(45, 27.618, 206.682)

Conversions

Conversions Part 1

Format	Color
Hex	00767E
RGB	0, 118, 126
RGB Percent	0%, 46%, 49%
CMY	1.0000, 0.5359, 0.5045
CMYK	1.00, 0.06, 0.00, 0.50
HSL	184°, 100%, 25%
HSV	184°, 100%, 50%
XYZ	10.2837, 14.5417, 22.1209
YIQ	83.6300, -72.8960, -22.5280

Conversions

Conversions Part 2

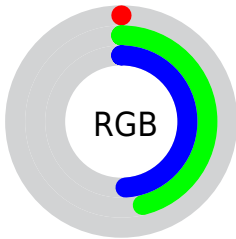
Format	Color
RYB	0, 61, 126
Decimal	30334
CIELab	45.00, -24.68, -12.40
CIELCh	45, 27.618, 206.682
Yxy	14.5417, 0.2191, 0.3098
Android (android.graphics.Color)	4278220414 (0xFF00767E)
YUV	83.6300, 20.8884, -73.3435
Hunter-Lab	38.1336, -18.5967, -7.7000

Details

The CIELCh color **45, 27.618, 206.682** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 59.765, 39.546**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 27.584, 206.608**, and **26, 18.837, 213.105** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.507, 206.732**, and if you desaturate by 10%, it is **45, 26.959, 205.932**.

Distribution



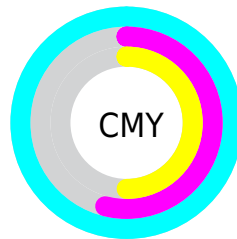
- Red (0%)
- Green (46%)
- Blue (49%)



- Red (0%)
- Yellow (24%)
- Blue (49%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (54%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 27.618, 206.682 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, 27.618, 206.682 by changing the saturation by 10% instead.


 45, 27.618,
206.682


 45, 27.618,
206.682


 100, 27.618,
206.682


 35, 27.618,
206.682

 65, 27.618,
206.682


 25, 27.618,
206.682

 75, 27.618,
206.682

 15, 27.618,
206.682

 85, 27.618,
206.682

 5, 27.618, 206.682

 95, 27.618,
206.682

 0, 27.618, 206.682

 45, 27.618,

 45, 27.618,

206.682

■ 45, 27.507,
206.732

206.682

■ 45, 26.959,
205.932

■ 46, 26.046,
205.257

■ 46, 24.554,
204.769

■ 47, 22.472,
204.453

■ 48, 19.819,
204.288

■ 49, 16.642,
204.256

■ 50, 13.002,
204.337

■ 51, 8.968, 204.519

Harmonies

Complementary

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



45, 27.618, 206.682



26, 59.765, 39.546

Rectangle

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



45, 27.618, 206.682



45, 27.618, 256.682



45, 27.618, 26.682



45, 27.618, 76.682

Sweetspot

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



45, 27.507, 206.732



63, 15.987, 204.328



46, 70.094, 136.649



32, 10.708, 204.291



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



45, 27.507, 206.732



57, 33.095, 206.993



25, 45.780, 287.109



26, 2.624, 204.839



45, 27.686, 206.743



0, 0.000, 0.000

Inverse Universe

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



29, 65.455, 330.832



38, 78.787, 330.896



36, 49.573, 66.131



25, 4.886, 326.656



29, 65.882, 330.834



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 27.618, 206.682 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, 27.618, 206.682 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

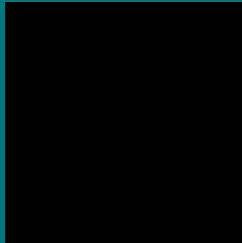
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.618, 206.682

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.618, 206.682.



This preview shows how white text looks on a background with the CIELCh color 45, 27.618, 206.682.

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, 27.448, 206.762

Protanopia

45, 7.771, 291.273

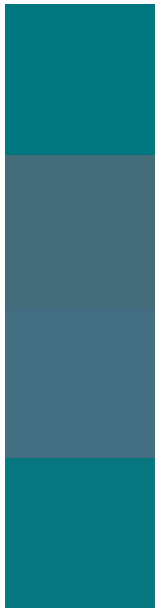
Deuteranopia

45, 15.556, 293.703



Tritanopia
45, 26.783, 209.767

Trichromacy



Original Color
45, 27.448, 206.762

Protanomaly
44, 15.957, 222.540

Deuteranomaly
44, 17.929, 240.587

Tritanomaly
45, 27.047, 208.279

Monochromacy



Original Color
45, 27.448, 206.762

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 15.411, 204.479

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.618, 206.682 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, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 126)  
}
```

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, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 126) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.618, 206.682 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, 126) }
```

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

```
.border{ border-color:rgb(0, 118, 126) }
```

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, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
126) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.618, 206.682 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, 126) }
```

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

```
.background{ background-color: rgb(0, 118,  
126) }
```

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