

Converting Colors

CIELCh(45, 26.742, 209.397)

Have a look what the booklet for
CIELCh(45, 26.742, 209.397)
contains.

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Color

CIELCh(45, 26.783, 209.767)

Conversions

Conversions Part 1

Format	Color
Hex	0A7680
RGB	10, 118, 128
RGB Percent	4%, 46%, 50%
CMY	0.9624, 0.5378, 0.4986
CMYK	0.92, 0.08, 0.00, 0.50
HSL	185°, 86%, 27%
HSV	185°, 92%, 50%
XYZ	10.4697, 14.5417, 22.6303
YIQ	86.8480, -67.5780, -19.7860

Conversions

Conversions Part 2

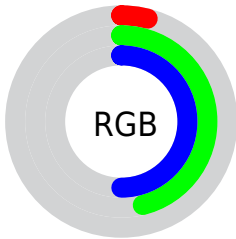
Format	Color
R_{YB}	10, 66, 128
Decimal	685696
CIE _{Lab}	45.00, -23.25, -13.30
CIE _{LCh}	45, 26.783, 209.767
Yxy	14.5417, 0.2198, 0.3052
Android (android.graphics.Color)	4278875776 (0xFF0A7680)
YUV	86.8480, 20.2879, -67.3957
Hunter-Lab	38.1336, -17.7260, -8.4919

Details

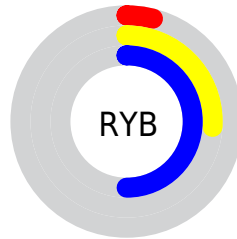
The CIELCh color **45, 26.783, 209.767** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 56.610, 38.773**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 26.939, 209.347**, and **26, 18.885, 217.387** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.165, 210.633**, and if you desaturate by 10%, it is **46, 26.034, 208.713**.

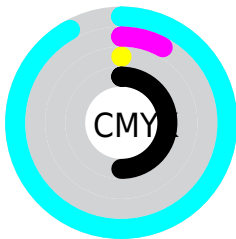
Distribution



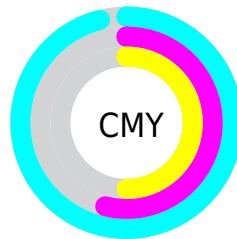
- Red (4%)
- Green (46%)
- Blue (50%)



- Red (4%)
- Yellow (26%)
- Blue (50%)



- Cyan (92%)
- Magenta (8%)
- Yellow (0%)
- Black (50%)




- Cyan (96%)
- Magenta (54%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 26.783, 209.767 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, 26.783, 209.767 by changing the saturation by 10% instead.


 45, 26.783,
209.767


 45, 26.783,
209.767


 100, 26.783,
209.767


 35, 26.783,
209.767

 65, 26.783,
209.767


 25, 26.783,
209.767

 75, 26.783,
209.767

 15, 26.783,
209.767

 85, 26.783,
209.767

 5, 26.783, 209.767

 95, 26.783,
209.767

 0, 26.783, 209.767

 45, 26.783,

 45, 26.783,

209.767

■ 45, 27.165,
210.633

209.767

■ 46, 26.034,
208.713

■ 46, 24.717,
207.909

■ 47, 22.810,
207.329

■ 48, 20.327,
206.945

■ 49, 17.309,
206.729

■ 50, 13.814,
206.656

■ 51, 9.911, 206.705

■ 52, 5.671, 206.867

Harmonies

Complementary

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



45, 26.783, 209.767



27, 56.610, 38.773

Rectangle

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



45, 26.783, 209.767



45, 26.783, 259.767



45, 26.783, 29.767



45, 26.783, 79.767

Sweetspot

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



45, 26.782, 209.766



64, 14.931, 206.661



46, 67.761, 137.628



33, 10.245, 206.655



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 26.782, 209.766



57, 32.770, 211.001



26, 45.209, 287.117



26, 2.574, 206.956



45, 27.110, 210.629



0, 0.000, 0.000

Inverse Universe

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



30, 63.511, 331.495



38, 78.381, 331.879



38, 46.792, 70.484



25, 4.815, 327.281



29, 64.826, 331.788



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 26.783, 209.767 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, 26.783, 209.767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

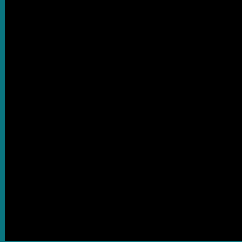
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 26.783, 209.767

Background



This preview shows how black text looks on a background with the CIELCh color 45, 26.783, 209.767.

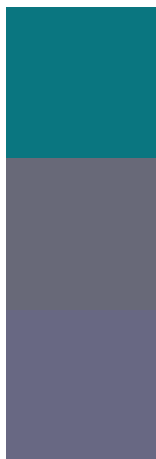


This preview shows how white text looks on a background with the CIELCh color 45, 26.783, 209.767.

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, 26.783, 209.767

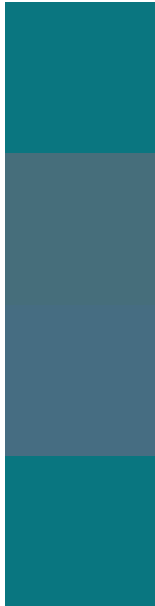
Protanopia
45, 8.967, 288.965

Deuteranopia
45, 16.142, 292.415



Tritanopia
45, 26.895, 209.701

Trichromacy



Original Color
45, 26.783, 209.767

Protanomaly
44, 15.565, 228.345

Deuteranomaly
44, 17.672, 244.158

Tritanomaly
45, 26.839, 209.734

Monochromacy



Original Color
45, 26.783, 209.767

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 14.244, 207.720

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 26.783, 209.767 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(10, 118, 128)` looks like.

```
.text, #text, p{  
    color:rgb(10, 118, 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(10, 118, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 118, 128) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 26.783, 209.767 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(10, 118, 128) }
```

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

```
.border{ border-color:rgb(10, 118, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 118, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 118, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 118, 128);  
box-shadow:4px 4px 4px 4px rgb(10, 118,  
128) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 26.783, 209.767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 118, 128) }
```

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

```
.background{ background-color: rgb(10, 118,  
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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