

Converting Colors

CIELCh(45, 30.418, 183.576)

Have a look what the booklet for
CIELCh(45, 30.418, 183.576)
contains.

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Color

CIELCh(45, 30.483, 183.596)

Conversions

Conversions Part 1

Format	Color
Hex	09786D
RGB	9, 120, 109
RGB Percent	4%, 47%, 43%
CMY	0.9631, 0.5302, 0.5734
CMYK	0.92, 0.00, 0.09, 0.53
HSL	174°, 85%, 25%
HSV	174°, 92%, 47%
XYZ	9.5575, 14.5417, 16.7127
YIQ	85.5570, -62.6250, -26.9530

Conversions

Conversions Part 2

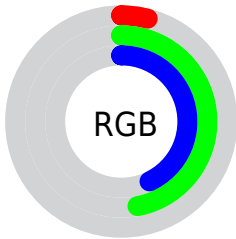
Format	Color
RYB	9, 67, 120
Decimal	620653
CIELab	45.00, -30.42, -1.91
CIELCh	45, 30.483, 183.596
Yxy	14.5417, 0.2342, 0.3563
Android (android.graphics.Color)	4278810733 (0xFF09786D)
YUV	85.5570, 11.5574, -67.1405
Hunter-Lab	38.1336, -21.9962, 0.7086

Details

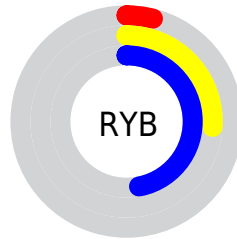
The CIELCh color **45, 30.483, 183.596** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 51.819, 31.081**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 30.622, 183.112**, and **26, 22.254, 180.524** is the 20% darker color. If you saturate the color by 10%, you get **45, 31.341, 182.795**, and if you desaturate by 10%, it is **45, 29.168, 184.606**.

Distribution



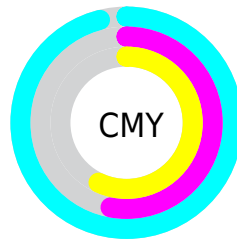
- Red (4%)
- Green (47%)
- Blue (43%)



- Red (4%)
- Yellow (26%)
- Blue (47%)



- Cyan (92%)
- Magenta (0%)
- Yellow (9%)
- Black (53%)





- Cyan (96%)
- Magenta (53%)
- Yellow (57%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 30.483, 183.596 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, 30.483, 183.596 by changing the saturation by 10% instead.


 45, 30.483,
183.596


 45, 30.483,
183.596


 100, 30.483,
183.596


 35, 30.483,
183.596

 65, 30.483,
183.596


 25, 30.483,
183.596

 75, 30.483,
183.596

 15, 30.483,
183.596

 85, 30.483,
183.596

 5, 30.483, 183.596

 95, 30.483,
183.596

 0, 30.483, 183.596

 45, 30.483,

 45, 30.483,

183.596

183.596

■ 45, 31.341,
182.795

■ 45, 29.168,
184.606

■ 45, 27.305,
185.541

■ 46, 24.882,
186.415

■ 46, 21.918,
187.244

■ 47, 18.459,
188.041

■ 47, 14.570,
188.817

■ 48, 10.322,
189.582

■ 49, 5.789, 190.353

Harmonies

Complementary

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



45, 30.483, 183.596



24, 51.819, 31.081

Rectangle

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



45, 30.483, 183.596



45, 30.483, 233.596



45, 30.483, 3.596



45, 30.483, 53.596

Sweetspot

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



45, 30.483, 183.595



61, 15.878, 189.082



44, 65.515, 135.674



31, 10.930, 188.808



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



45, 30.483, 183.595



58, 37.980, 182.491



31, 30.565, 266.883



24, 2.651, 190.606



46, 31.837, 182.768



89, 54.299, 182.086

Inverse Universe

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



24, 51.819, 31.081



32, 68.080, 35.245



31, 46.318, 55.195



23, 2.771, 11.815



24, 56.335, 33.879



52, 98.642, 36.684

Previews

White Background



This preview shows how the CIELCh color 45, 30.483, 183.596 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, 30.483, 183.596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

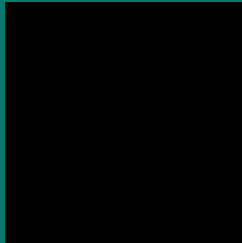
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 30.483, 183.596

Background



This preview shows how black text looks on a background with the CIELCh color 45, 30.483, 183.596.



This preview shows how white text looks on a background with the CIELCh color 45, 30.483, 183.596.

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, 30.546, 183.615

Protanopia
45, 3.218, 86.727

Deuteranopia
45, 6.773, 327.728



Tritanopia
45, 24.651, 211.123

Trichromacy



Original Color
45, 30.546, 183.615

Protanomaly
44, 15.143, 181.488

Deuteranomaly
44, 12.636, 203.481

Tritanomaly
45, 26.346, 199.244

Monochromacy



Original Color
45, 30.546, 183.615

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 15.283, 188.181

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 30.483, 183.596 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(9, 120, 109)` looks like.

```
.text, #text, p{  
    color:rgb(9, 120, 109)  
}
```

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(9, 120, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 120, 109) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 30.483, 183.596 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(9, 120, 109) }
```

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

```
.border{ border-color:rgb(9, 120, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 120, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 120, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 120, 109);  
box-shadow:4px 4px 4px 4px rgb(9, 120,  
109) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 30.483, 183.596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 120, 109) }
```

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

```
.background{ background-color: rgb(9, 120,  
109) }
```

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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