

Converting Colors

CIELCh(45, 26.383, 180.338)

Have a look what the booklet for
CIELCh(45, 26.383, 180.338)
contains.

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Color

CIELCh(45, 26.303, 180.611)

Conversions

Conversions Part 1

Format	Color
Hex	2A766A
RGB	42, 118, 106
RGB Percent	16%, 46%, 42%
CMY	0.8344, 0.5365, 0.5836
CMYK	0.64, 0.00, 0.10, 0.54
HSL	171°, 47%, 31%
HSV	171°, 64%, 46%
XYZ	10.0748, 14.5417, 15.9605
YIQ	93.9080, -41.4440, -19.8440

Conversions

Conversions Part 2

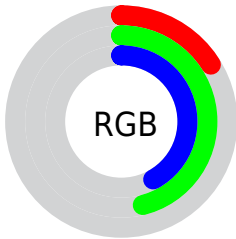
Format	Color
R_{YB}	42, 83, 118
Decimal	2782826
CIE _{Lab}	45.00, -26.30, -0.28
CIE _{LCh}	45, 26.303, 180.611
Y _{xy}	14.5417, 0.2483, 0.3584
Android (android.graphics.Color)	4280972906 (0xFF2A766A)
YUV	93.9080, 5.9614, -45.5233
Hunter-Lab	38.1336, -19.5747, 1.8782

Details

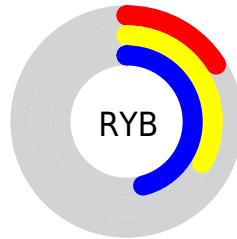
The CIELCh color **45, 26.303, 180.611** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **29, 35.775, 16.328**, and the grayscale version is **40, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 26.512, 180.004**, and **25, 22.241, 178.611** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.853, 179.446**, and if you desaturate by 10%, it is **45, 23.230, 181.681**.

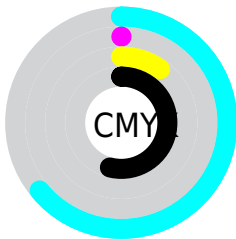
Distribution



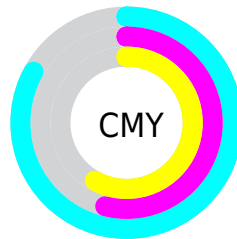
- Red (16%)
- Green (46%)
- Blue (42%)



- Red (16%)
- Yellow (33%)
- Blue (46%)



- Cyan (64%)
- Magenta (0%)
- Yellow (10%)
- Black (54%)





- Cyan (83%)
- Magenta (54%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 26.303, 180.611 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, 26.303, 180.611 by changing the saturation by 10% instead.


 45, 26.303,
180.611


 45, 26.303,
180.611


 100, 26.303,
180.611


 35, 26.303,
180.611

 65, 26.303,
180.611


 25, 26.303,
180.611

 75, 26.303,
180.611

 15, 26.303,
180.611

 85, 26.303,
180.611

 5, 26.303, 180.611

 95, 26.303,
180.611

 0, 26.303, 180.611

 45, 26.303,

 45, 26.303,

180.611

■ 45, 28.853,
179.446

■ 44, 30.861,
178.171

■ 44, 32.364,
176.778

■ 44, 33.160,
175.996

180.611

■ 45, 23.230,
181.681

■ 46, 19.680,
182.678

■ 47, 15.717,
183.618

■ 47, 11.413,
184.515

■ 48, 6.844, 185.387

■ 49, 2.080, 186.327

■ 50, 2.815, 6.826

■ 51, 7.788, 7.680

■ 53, 12.794, 8.451

Harmonies

Complementary

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



45, 26.303, 180.611



29, 35.775, 16.328

Rectangle

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



45, 26.303, 180.611



45, 26.303, 230.611



45, 26.303, 0.611



45, 26.303, 50.611

Sweetspot

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



45, 26.303, 180.610



61, 11.145, 184.936



44, 50.084, 135.912



31, 7.590, 184.738



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 26.303, 180.610



57, 35.987, 178.872



37, 21.218, 246.102



24, 2.703, 185.851



46, 34.025, 175.933



88, 58.291, 174.984

Inverse Universe

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



29, 35.775, 16.328



34, 52.460, 21.186



34, 31.188, 51.852



23, 2.808, 7.198



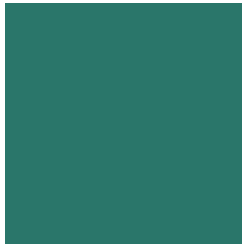
24, 54.436, 30.393



52, 95.086, 33.437

Previews

White Background



This preview shows how the CIELCh color 45, 26.303, 180.611 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, 26.303, 180.611 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, 26.303, 180.611

Background



This preview shows how black text looks on a background with the CIELCh color 45, 26.303, 180.611.



This preview shows how white text looks on a background with the CIELCh color 45, 26.303, 180.611.

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, 26.303, 180.611

Protanopia

45, 3.941, 84.279

Deuteranopia

45, 6.172, 337.606



Tritanopia
45, 21.042, 213.982

Trichromacy



Original Color
45, 26.303, 180.611

Protanomaly
44, 11.111, 172.552

Deuteranomaly
44, 8.176, 198.488

Tritanomaly
45, 22.113, 200.155

Monochromacy



Original Color
45, 26.303, 180.611

Achromatopsia
40, 0.006, 296.813

Achromatomaly
41, 11.468, 182.625

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 26.303, 180.611 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(42, 118, 106)` looks like.

```
.text, #text, p{  
    color:rgb(42, 118, 106)  
}
```

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(42, 118, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 118, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 26.303, 180.611 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(42, 118, 106) }
```

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

```
.border{ border-color:rgb(42, 118, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 118, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 118, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 118, 106);  
box-shadow:4px 4px 4px 4px rgb(42, 118,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 26.303, 180.611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 118, 106) }
```

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

```
.background{ background-color: rgb(42, 118,  
106) }
```

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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