

Converting Colors

CIELCh(45, 27.313, 196.509)

Have a look what the booklet for
CIELCh(45, 27.313, 196.509)
contains.

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Color

CIELCh(45, 27.401, 196.500)

Conversions

Conversions Part 1

Format	Color
Hex	107777
RGB	16, 119, 119
RGB Percent	6%, 47%, 47%
CMY	0.9364, 0.5348, 0.5347
CMYK	0.86, 0.00, 0.00, 0.53
HSL	180°, 76%, 26%
HSV	180°, 86%, 47%
XYZ	10.0785, 14.5417, 19.6148
YIQ	88.2030, -61.3880, -21.8360

Conversions

Conversions Part 2

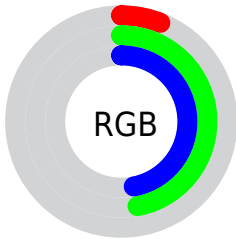
Format	Color
RYB	16, 68, 119
Decimal	1079159
CIELab	45.00, -26.27, -7.78
CIELCh	45, 27.401, 196.500
Yxy	14.5417, 0.2278, 0.3287
Android (android.graphics.Color)	4279269239 (0xFF107777)
YUV	88.2030, 15.1829, -63.3220
Hunter-Lab	38.1336, -19.5574, -3.8035

Details

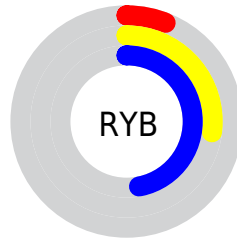
The CIELCh color **45, 27.401, 196.500** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **25, 51.564, 34.794**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 27.598, 195.973**, and **26, 19.586, 198.367** is the 20% darker color. If you saturate the color by 10%, you get **45, 28.197, 196.419**, and if you desaturate by 10%, it is **45, 26.136, 196.627**.

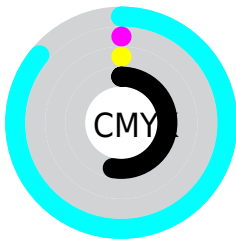
Distribution



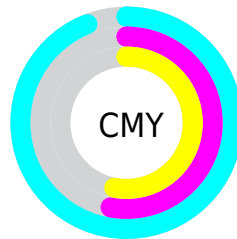
- Red (6%)
- Green (47%)
- Blue (47%)



- Red (6%)
- Yellow (27%)
- Blue (47%)



- Cyan (86%)
- Magenta (0%)
- Yellow (0%)
- Black (53%)



- Cyan (94%)
- Magenta (53%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 27.401, 196.500 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, 27.401, 196.500 by changing the saturation by 10% instead.

 45, 27.401,
196.500


 45, 27.401,
196.500


 100, 27.401,
196.500


 35, 27.401,
196.500

 65, 27.401,
196.500


 25, 27.401,
196.500

 75, 27.401,
196.500

 15, 27.401,
196.500

 85, 27.401,
196.500

 5, 27.401, 196.500

 95, 27.401,
196.500

 0, 27.401, 196.500

 45, 27.401,

 45, 27.401,

196.500

196.500

■ 45, 28.197,
196.419

■ 45, 26.136,
196.627

■ 45, 28.465,
196.392

■ 45, 24.311,
196.813

■ 46, 21.920,
197.060

■ 46, 18.990,
197.367

■ 47, 15.566,
197.732

■ 48, 11.711,
198.152

■ 48, 7.492, 198.629

■ 49, 2.980, 199.202

Harmonies

Complementary

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



45, 27.401, 196.500



25, 51.564, 34.794

Rectangle

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



45, 27.401, 196.500



45, 27.401, 246.500



45, 27.401, 16.500



45, 27.401, 66.500

Sweetspot

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



45, 27.401, 196.499



60, 14.223, 198.139



43, 63.962, 136.915



31, 9.495, 198.022



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, 27.401, 196.499



57, 34.224, 196.392



28, 34.151, 276.593



24, 2.606, 199.028



46, 29.109, 196.392



89, 49.351, 196.392

Inverse Universe

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



28, 62.238, 328.055



36, 78.925, 328.234



34, 41.996, 64.459



23, 4.757, 324.891



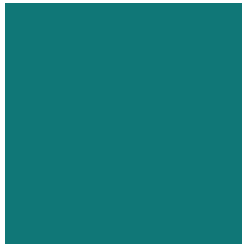
28, 67.128, 328.234



59, 113.808, 328.234

Previews

White Background



This preview shows how the CIELCh color 45, 27.401, 196.500 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, 27.401, 196.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

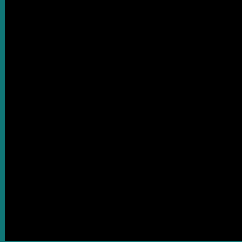
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.401, 196.500

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.401, 196.500.



This preview shows how white text looks on a background with the CIELCh color 45, 27.401, 196.500.

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, 27.486, 196.491

Protanopia

45, 3.110, 305.695

Deuteranopia

45, 11.647, 303.283



Tritanopia
45, 25.261, 210.717

Trichromacy



Original Color
45, 27.486, 196.491

Protanomaly
44, 13.264, 205.798

Deuteranomaly
44, 13.795, 229.905

Tritanomaly
45, 26.051, 204.709

Monochromacy



Original Color
45, 27.486, 196.491

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 13.780, 197.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.401, 196.500 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(16, 119, 119)` looks like.

```
.text, #text, p{  
    color:rgb(16, 119, 119)  
}
```

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(16, 119, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 119, 119) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.401, 196.500 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(16, 119, 119) }
```

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

```
.border{ border-color:rgb(16, 119, 119) }
```

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

Here you see how a box with a 4 pixel rgb(16, 119, 119) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 119, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 119, 119);  
box-shadow:4px 4px 4px 4px rgb(16, 119,  
119) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.401, 196.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 119, 119) }
```

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

```
.background{ background-color: rgb(16, 119,  
119) }
```

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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