

Converting Colors

CIELCh(45, 27.475, 189.650)

Have a look what the booklet for
CIELCh(45, 27.475, 189.650)
contains.

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Color

CIELCh(45, 27.700, 188.920)

Conversions

Conversions Part 1

Format	Color
Hex	197771
RGB	25, 119, 113
RGB Percent	10%, 47%, 44%
CMY	0.9031, 0.5340, 0.5576
CMYK	0.79, 0.00, 0.05, 0.53
HSL	176°, 66%, 28%
HSV	176°, 79%, 47%
XYZ	9.9395, 14.5417, 17.8536
YIQ	90.2100, -54.0980, -21.7940

Conversions

Conversions Part 2

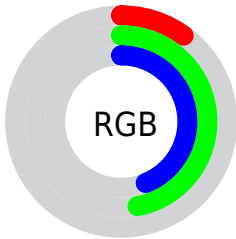
Format	Color
R_{YB}	25, 74, 119
Decimal	1668977
CIE _{Lab}	45.00, -27.36, -4.30
CIE _{LCh}	45, 27.700, 188.920
Yxy	14.5417, 0.2348, 0.3435
Android (android.graphics.Color)	4279859057 (0xFF197771)
YUV	90.2100, 11.2355, -57.1892
Hunter-Lab	38.1336, -20.2077, -1.0652

Details

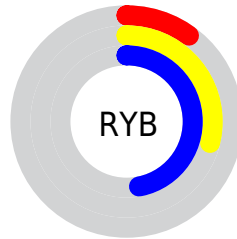
The CIELCh color **45, 27.700, 188.920** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 45.779, 28.215**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 27.790, 188.976**, and **26, 20.880, 187.049** is the 20% darker color. If you saturate the color by 10%, you get **45, 29.016, 188.208**, and if you desaturate by 10%, it is **45, 25.828, 189.598**.

Distribution



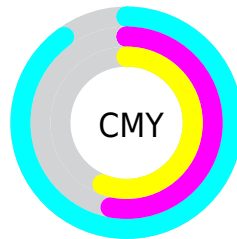
- Red (10%)
- Green (47%)
- Blue (44%)



- Red (10%)
- Yellow (29%)
- Blue (47%)



- Cyan (79%)
- Magenta (0%)
- Yellow (5%)
- Black (53%)





- Cyan (90%)
- Magenta (53%)
- Yellow (56%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 27.700, 188.920 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, 27.700, 188.920 by changing the saturation by 10% instead.


 45, 27.700,
188.920


 45, 27.700,
188.920


 100, 27.700,
188.920


 35, 27.700,
188.920

 65, 27.700,
188.920


 25, 27.700,
188.920

 75, 27.700,
188.920

 15, 27.700,
188.920

 85, 27.700,
188.920

 5, 27.700, 188.920

 95, 27.700,
188.920

 0, 27.700, 188.920

 45, 27.700,

 45, 27.700,

188.920

188.920

■ 45, 29.016,
188.208

■ 45, 25.828,
189.598

■ 45, 29.965,
187.479

■ 46, 23.395,
190.257

■ 45, 30.041,
187.423

■ 46, 20.426,
190.908

■ 47, 16.970,
191.559

■ 47, 13.090,
192.215

■ 48, 8.857, 192.884

■ 49, 4.343, 193.589

■ 50, 0.383, 13.205

■ 51, 5.261, 14.772

Harmonies

Complementary

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



45, 27.700, 188.920



26, 45.779, 28.215

Rectangle

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



45, 27.700, 188.920



45, 27.700, 238.920



45, 27.700, 8.920



45, 27.700, 58.920

Sweetspot

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



45, 27.700, 188.919



61, 13.598, 192.520



44, 60.341, 136.694



32, 9.333, 192.326



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, 27.700, 188.919



58, 36.125, 187.591



32, 28.294, 265.787



24, 2.628, 193.603



46, 30.692, 187.396



89, 52.213, 186.927

Inverse Universe

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



26, 45.779, 28.215



32, 66.896, 35.390



34, 38.952, 59.658



23, 2.757, 14.699



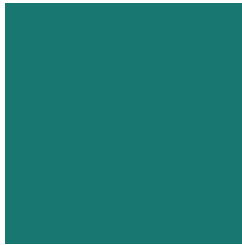
24, 57.295, 35.433



52, 100.476, 38.158

Previews

White Background



This preview shows how the CIE LCh color 45, 27.700, 188.920 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, 27.700, 188.920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

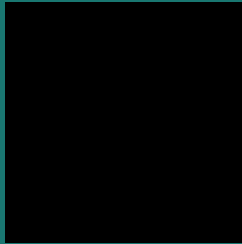
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.700, 188.920

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.700, 188.920.



This preview shows how white text looks on a background with the CIELCh color 45, 27.700, 188.920.

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, 27.700, 188.920

Protanopia

45, 1.239, 19.279

Deuteranopia

45, 8.447, 313.428



Tritanopia
45, 24.100, 210.002

Trichromacy



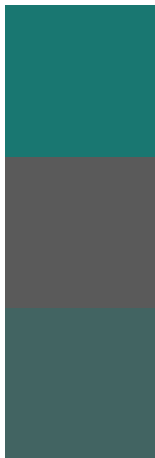
Original Color
45, 27.700, 188.920

Protanomaly
44, 12.246, 192.348

Deuteranomaly
44, 11.219, 217.081

Tritanomaly
45, 25.235, 200.858

Monochromacy



Original Color
45, 27.700, 188.920

Achromatopsia
38, 0.005, 296.813

Achromatomaly
40, 13.021, 192.388

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.700, 188.920 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(25, 119, 113)` looks like.

```
.text, #text, p{  
    color:rgb(25, 119, 113)  
}
```

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(25, 119, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 119, 113) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.700, 188.920 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(25, 119, 113) }
```

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

```
.border{ border-color:rgb(25, 119, 113) }
```

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

Here you see how a box with a 4 pixel rgb(25, 119, 113) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 119, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 119, 113);  
box-shadow:4px 4px 4px 4px rgb(25, 119,  
113) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.700, 188.920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 119, 113) }
```

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

```
.background{ background-color: rgb(25, 119,  
113) }
```

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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