

Converting Colors

CIELCh(45, 26.793, 222.385)

Have a look what the booklet for
CIELCh(45, 26.793, 222.385)
contains.

CIELCh(45, 26.809, 222.365)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(45, 26.809, 222.365)

Conversions

Conversions Part 1

Format	Color
Hex	0C7588
RGB	12, 117, 136
RGB Percent	5%, 46%, 53%
CMY	0.9544, 0.5417, 0.4672
CMYK	0.91, 0.14, 0.00, 0.47
HSL	189°, 84%, 29%
HSV	189°, 91%, 53%
XYZ	10.9271, 14.5417, 25.4742
YIQ	87.7710, -68.6790, -16.3510

Conversions

Conversions Part 2

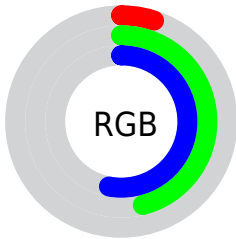
Format	Color
R_{YB}	12, 69, 136
Decimal	816520
CIE _{Lab}	45.00, -19.81, -18.07
CIE _{LCh}	45, 26.809, 222.365
Yxy	14.5417, 0.2145, 0.2855
Android (android.graphics.Color)	4279006600 (0xFF0C7588)
YUV	87.7710, 23.7769, -66.4512
Hunter-Lab	38.1336, -15.5850, -12.9137

Details

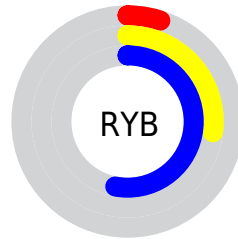
The CIELCh color **45, 26.809, 222.365** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **30, 57.382, 41.083**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 26.739, 222.404**, and **26, 19.853, 234.172** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.303, 224.471**, and if you desaturate by 10%, it is **46, 25.944, 220.168**.

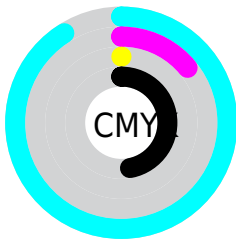
Distribution



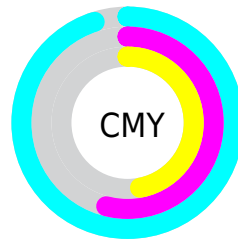
- Red (5%)
- Green (46%)
- Blue (53%)



- Red (5%)
- Yellow (27%)
- Blue (53%)



- Cyan (91%)
- Magenta (14%)
- Yellow (0%)
- Black (47%)





- Cyan (95%)
- Magenta (54%)
- Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 26.809, 222.365 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, 26.809, 222.365 by changing the saturation by 10% instead.


 45, 26.809,
222.365


 45, 26.809,
222.365


 100, 26.809,
222.365


 35, 26.809,
222.365

 65, 26.809,
222.365


 25, 26.809,
222.365

 75, 26.809,
222.365

 15, 26.809,
222.365

 85, 26.809,
222.365

 5, 26.809, 222.365

 95, 26.809,
222.365

 0, 26.809, 222.365

 45, 26.809,

 45, 26.809,

222.365

■ 44, 27.303,
224.471

222.365

■ 46, 25.944,
220.168

■ 47, 24.529,
218.423

■ 48, 22.535,
217.072

■ 49, 19.979,
216.055

■ 50, 16.901,
215.316

■ 52, 13.364,
214.804

■ 53, 9.433, 214.480

■ 55, 5.179, 214.324

Harmonies

Complementary

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



45, 26.809, 222.365



30, 57.382, 41.083

Rectangle

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



45, 26.809, 222.365



45, 26.809, 272.365



45, 26.809, 42.365



45, 26.809, 92.365

Sweetspot

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



45, 26.808, 222.365



67, 14.377, 214.659



49, 68.406, 139.007



34, 9.661, 214.766



87, 0.010, 296.813



38, 0.005, 296.813

Same Dimension

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



45, 26.808, 222.365



57, 32.985, 225.172



26, 52.627, 291.753



28, 2.599, 214.317



43, 26.828, 224.397



1, 1.234, 214.181

Inverse Universe

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



31, 63.054, 334.612



40, 77.667, 335.394



43, 48.940, 76.628



27, 4.896, 329.438



30, 63.306, 335.197



0, 2.259, 328.934

Previews

White Background



This preview shows how the CIELCh color 45, 26.809, 222.365 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, 26.809, 222.365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

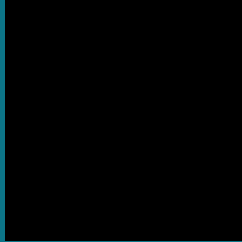
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 26.809, 222.365

Background



This preview shows how black text looks on a background with the CIELCh color 45, 26.809, 222.365.



This preview shows how white text looks on a background with the CIELCh color 45, 26.809, 222.365.

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





Tritanopia
45, 27.392, 208.099

Trichromacy



Original Color
45, 26.809, 222.365

Protanomaly
44, 18.224, 245.110

Deuteranomaly
44, 21.323, 253.598

Tritanomaly
45, 27.082, 212.281

Monochromacy



Original Color
45, 26.809, 222.365

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 14.107, 215.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 26.809, 222.365 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(12, 117, 136)` looks like.

```
.text, #text, p{  
    color:rgb(12, 117, 136)  
}
```

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(12, 117, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 117, 136) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 26.809, 222.365 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(12, 117, 136) }
```

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

```
.border{ border-color:rgb(12, 117, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 117, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 117, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 117, 136);  
box-shadow:4px 4px 4px 4px rgb(12, 117,  
136) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 26.809, 222.365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 117, 136) }
```

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

```
.background{ background-color: rgb(12, 117,  
136) }
```

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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