

Converting Colors

CIELCh(42, 45.736, 201.606)

Have a look what the booklet for
CIELCh(42, 45.736, 201.606)
contains.

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Color

CIELCh(45, 27.222, 208.191)

Conversions

Conversions Part 1

Format	Color
Hex	03767F
RGB	3, 118, 127
RGB Percent	1%, 46%, 50%
CMY	0.9870, 0.5368, 0.5015
CMYK	0.97, 0.07, 0.00, 0.50
HSL	184°, 95%, 26%
HSV	184°, 97%, 50%
XYZ	10.3725, 14.5417, 22.3807
YIQ	84.6410, -71.4290, -21.5810

Conversions

Conversions Part 2

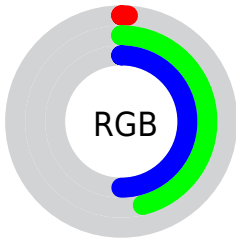
Format	Color
RYB	3, 63, 127
Decimal	226943
CIELab	45.00, -23.99, -12.86
CIELCh	45, 27.222, 208.191
Yxy	14.5417, 0.2193, 0.3075
Android (android.graphics.Color)	4278417023 (0xFF03767F)
YUV	84.6410, 20.8830, -71.5992
Hunter-Lab	38.1336, -18.1809, -8.1040

Details

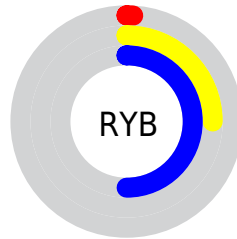
The CIELCh color **45, 27.222, 208.191** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **26, 58.817, 39.246**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 27.360, 207.913**, and **26, 18.849, 215.248** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.360, 208.437**, and if you desaturate by 10%, it is **45, 26.646, 207.249**.

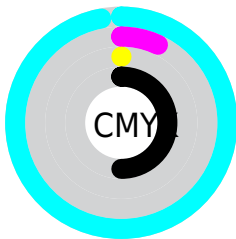
Distribution



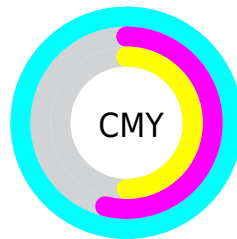
- Red (1%)
- Green (46%)
- Blue (50%)



- Red (1%)
- Yellow (25%)
- Blue (50%)



- Cyan (97%)
- Magenta (7%)
- Yellow (0%)
- Black (50%)





- Cyan (99%)
- Magenta (54%)
- Yellow (50%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 27.222, 208.191 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, 27.222, 208.191 by changing the saturation by 10% instead.


 45, 27.222,
208.191


 45, 27.222,
208.191


 100, 27.222,
208.191


 35, 27.222,
208.191

 65, 27.222,
208.191


 25, 27.222,
208.191

 75, 27.222,
208.191

 15, 27.222,
208.191

 85, 27.222,
208.191

 5, 27.222, 208.191

 95, 27.222,
208.191

 0, 27.222, 208.191

 45, 27.222,

 45, 27.222,

208.191

■ 45, 27.360,
208.437

208.191

■ 45, 26.646,
207.249

■ 46, 25.599,
206.494

■ 47, 23.966,
205.947

■ 47, 21.745,
205.584

■ 48, 18.963,
205.383

■ 49, 15.673,
205.321

■ 50, 11.939,
205.379

■ 51, 7.830, 205.542

Harmonies

Complementary

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



45, 27.222, 208.191



26, 58.817, 39.246

Rectangle

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



45, 27.222, 208.191



45, 27.222, 258.191



45, 27.222, 28.191



45, 27.222, 78.191

Sweetspot

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



45, 27.221, 208.190



64, 15.572, 205.356



46, 69.379, 136.985



33, 10.620, 205.332



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



45, 27.221, 208.190



58, 33.144, 208.752



25, 46.134, 287.592



26, 2.602, 205.767



45, 27.417, 208.441



0, 0.000, 0.000

Inverse Universe

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



29, 64.749, 331.161



39, 79.106, 331.328



37, 48.488, 68.004



25, 4.855, 326.931



29, 65.412, 331.252



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIE LCh color 45, 27.222, 208.191 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, 27.222, 208.191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

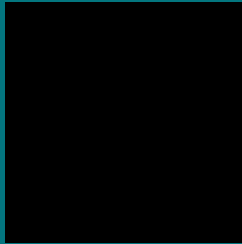
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.222, 208.191

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.222, 208.191.

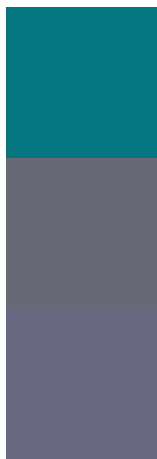


This preview shows how white text looks on a background with the CIELCh color 45, 27.222, 208.191.

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, 27.219, 208.188

Protanopia

45, 8.371, 288.696

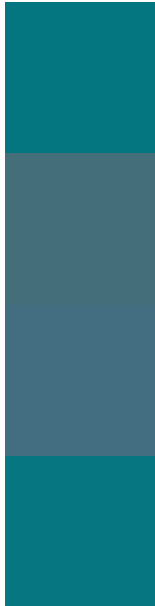
Deuteranopia

45, 15.546, 292.336



Tritanopia
45, 26.952, 209.668

Trichromacy



Original Color
45, 27.219, 208.188

Protanomaly
44, 16.123, 224.673

Deuteranomaly
44, 17.929, 240.587

Tritanomaly
45, 27.008, 209.635

Monochromacy



Original Color
45, 27.219, 208.188

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 15.128, 204.641

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.222, 208.191 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(3, 118, 127)` looks like.

```
.text, #text, p{  
    color:rgb(3, 118, 127)  
}
```

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(3, 118, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 118, 127) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.222, 208.191 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(3, 118, 127) }
```

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

```
.border{ border-color:rgb(3, 118, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 118, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 118, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 118, 127);  
box-shadow:4px 4px 4px 4px rgb(3, 118,  
127) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.222, 208.191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 118, 127) }
```

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

```
.background{ background-color: rgb(3, 118,  
127) }
```

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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