

Converting Colors

CIELCh(45, 27.144, 210.376)

Have a look what the booklet for
CIELCh(45, 27.144, 210.376)
contains.

CIELCh(45, 27.151, 210.889)	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, 27.151, 210.889)

Conversions

Conversions Part 1

Format	Color
Hex	037681
RGB	3, 118, 129
RGB Percent	1%, 46%, 51%
CMY	0.9890, 0.5375, 0.4944
CMYK	0.98, 0.09, 0.00, 0.49
HSL	185°, 96%, 26%
HSV	185°, 98%, 51%
XYZ	10.4630, 14.5417, 22.9999
YIQ	84.8690, -72.0710, -20.9590

Conversions

Conversions Part 2

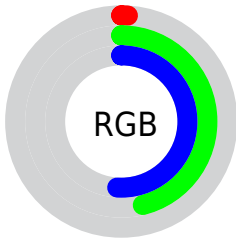
Format	Color
R_{YB}	3, 63, 129
Decimal	226945
CIE _{Lab}	45.00, -23.30, -13.94
CIE _{LCh}	45, 27.151, 210.889
Yxy	14.5417, 0.2180, 0.3029
Android (android.graphics.Color)	4278417025 (0xFF037681)
YUV	84.8690, 21.7566, -71.7991
Hunter-Lab	38.1336, -17.7573, -9.0667

Details

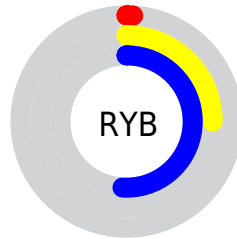
The CIELCh color **45, 27.151, 210.889** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 59.503, 39.730**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **65, 27.154, 210.465**, and **26, 18.945, 219.516** is the 20% darker color. If you saturate the color by 10%, you get **45, 27.262, 211.148**, and if you desaturate by 10%, it is **45, 26.601, 209.695**.

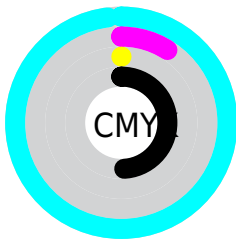
Distribution



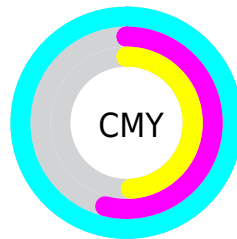
- Red (1%)
- Green (46%)
- Blue (51%)



- Red (1%)
- Yellow (25%)
- Blue (51%)



- Cyan (98%)
- Magenta (9%)
- Yellow (0%)
- Black (49%)



- Cyan (99%)
- Magenta (54%)
- Yellow (49%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 27.151, 210.889 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, 27.151, 210.889 by changing the saturation by 10% instead.

 45, 27.151,
210.889


 45, 27.151,
210.889

 100, 27.151,
210.889


 35, 27.151,
210.889

 65, 27.151,
210.889


 25, 27.151,
210.889

 75, 27.151,
210.889

 15, 27.151,
210.889

 85, 27.151,
210.889

 5, 27.151, 210.889

 95, 27.151,
210.889

 0, 27.151, 210.889

 45, 27.151,

 45, 27.151,

210.889

■ 45, 27.262,
211.148

210.889

■ 45, 26.601,
209.695

■ 46, 25.593,
208.720

■ 47, 23.997,
207.990

■ 47, 21.810,
207.478

■ 48, 19.060,
207.153

■ 49, 15.798,
206.988

■ 50, 12.089,
206.959

■ 52, 8.002, 207.047

Harmonies

Complementary

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



45, 27.151, 210.889



27, 59.503, 39.730

Rectangle

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



45, 27.151, 210.889



45, 27.151, 260.889



45, 27.151, 30.889



45, 27.151, 80.889

Sweetspot

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



45, 27.150, 210.888



64, 15.561, 206.955



47, 69.864, 137.167



33, 10.482, 206.959



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, 27.150, 210.888



58, 33.060, 211.536



25, 48.346, 289.135



26, 2.568, 207.228



44, 27.046, 211.130



0, 0.000, 0.000

Inverse Universe

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



29, 64.791, 331.828



39, 79.099, 332.010



38, 49.066, 69.373



25, 4.806, 327.361



29, 64.694, 331.911



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 45, 27.151, 210.889 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, 27.151, 210.889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

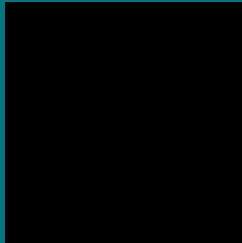
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 27.151, 210.889

Background



This preview shows how black text looks on a background with the CIELCh color 45, 27.151, 210.889.

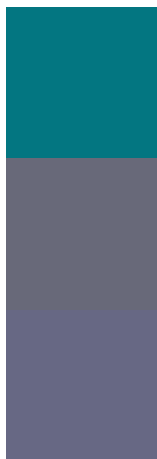


This preview shows how white text looks on a background with the CIELCh color 45, 27.151, 210.889.

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, 27.151, 210.889

Protanopia

45, 9.563, 289.210

Deuteranopia

45, 16.736, 291.240



Tritanopia
45, 27.349, 209.440

Trichromacy



Original Color
45, 27.151, 210.889

Protanomaly
44, 16.517, 228.801

Deuteranomaly
44, 18.602, 243.859

Tritanomaly
45, 27.292, 209.472

Monochromacy



Original Color
45, 27.151, 210.889

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 15.113, 207.049

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 27.151, 210.889 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(3, 118, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 118, 129) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 27.151, 210.889 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, 129) }
```

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

```
.border{ border-color:rgb(3, 118, 129) }
```

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, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 118, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 118, 129);  
box-shadow:4px 4px 4px 4px rgb(3, 118,  
129) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 27.151, 210.889 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, 129) }
```

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

```
.background{ background-color: rgb(3, 118,  
129) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor