

Converting Colors

CIELCh(44, 25.103, 210.839)

Have a look what the booklet for
CIELCh(44, 25.103, 210.839)
contains.

CIELCh(44, 25.209, 210.769)	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(44, 25.209, 210.769)

Conversions

Conversions Part 1

Format	Color
Hex	16737D
RGB	22, 115, 125
RGB Percent	9%, 45%, 49%
CMY	0.9120, 0.5502, 0.5110
CMYK	0.82, 0.08, 0.00, 0.51
HSL	186°, 69%, 29%
HSV	186°, 82%, 49%
XYZ	10.1171, 13.8382, 21.4343
YIQ	88.3330, -58.6380, -16.6060

Conversions

Conversions Part 2

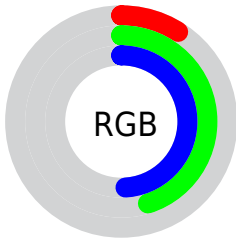
Format	Color
R_YB	22, 71, 125
Decimal	1471357
CIE _{Lab}	44.00, -21.66, -12.90
CIE _{LCh}	44, 25.209, 210.769
Yxy	13.8382, 0.2229, 0.3049
Android (android.graphics.Color)	4279661437 (0xFF16737D)
YUV	88.3330, 18.0768, -58.1740
Hunter-Lab	37.1997, -16.5536, -8.1228

Details

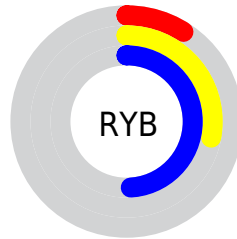
The CIELCh color **44, 25.209, 210.769** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **28, 48.932, 37.067**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 25.172, 211.699**, and **25, 18.356, 218.187** is the 20% darker color. If you saturate the color by 10%, you get **43, 25.971, 212.011**, and if you desaturate by 10%, it is **45, 23.894, 209.809**.

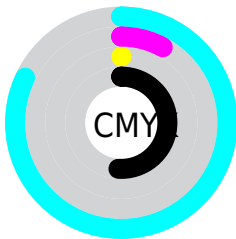
Distribution



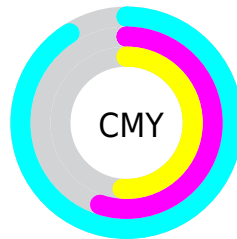
- Red (9%)
- Green (45%)
- Blue (49%)



- Red (9%)
- Yellow (28%)
- Blue (49%)



- Cyan (82%)
- Magenta (8%)
- Yellow (0%)
- Black (51%)



- Cyan (91%)
- Magenta (55%)
- Yellow (51%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 25.209, 210.769 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 44, 25.209, 210.769 by changing the saturation by 10% instead.


 44, 25.209,
210.769


 44, 25.209,
210.769


 100, 25.209,
210.769


 34, 25.209,
210.769

 64, 25.209,
210.769


 24, 25.209,
210.769

 74, 25.209,
210.769

 14, 25.209,
210.769

 84, 25.209,
210.769

 4, 25.209, 210.769

 94, 25.209,
210.769

 0, 25.209, 210.769

 44, 25.209,

 44, 25.209,

210.769

■ 43, 25.971,
212.011

■ 43, 26.386,
213.105

210.769

■ 45, 23.894,
209.809

■ 45, 22.008,
209.102

■ 46, 19.567,
208.613

■ 47, 16.613,
208.310

■ 48, 13.202,
208.163

■ 49, 9.403, 208.148

■ 51, 5.281, 208.257

■ 52, 0.902, 208.776

■ 53, 3.675, 28.456

Harmonies

Complementary

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



44, 25.209, 210.769



28, 48.932, 37.067

Rectangle

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



44, 25.209, 210.769



44, 25.209, 260.769



44, 25.209, 30.769



44, 25.209, 80.769

Sweetspot

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



44, 25.208, 210.768



63, 13.157, 208.139



45, 62.154, 138.867



32, 8.841, 208.144



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



44, 25.208, 210.768



56, 31.960, 213.258



28, 38.997, 282.982



25, 2.460, 208.319



43, 26.425, 213.109



83, 44.306, 214.125

Inverse Universe

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



30, 58.977, 331.584



38, 76.393, 332.416



39, 41.719, 72.646



24, 4.611, 327.677



28, 63.260, 332.395



58, 106.066, 332.644

Previews

White Background



This preview shows how the CIELCh color 44, 25.209, 210.769 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 44, 25.209, 210.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

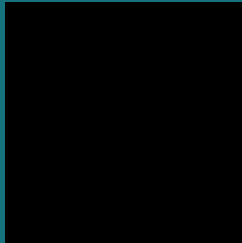
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 25.209, 210.769

Background



This preview shows how black text looks on a background with the CIELCh color 44, 25.209, 210.769.

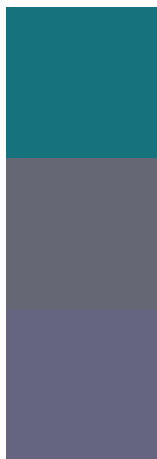


This preview shows how white text looks on a background with the CIELCh color 44, 25.209, 210.769.

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

44, 25.311, 210.702

Protanopia

44, 8.419, 286.081

Deuteranopia

44, 16.224, 292.470



Tritanopia
44, 25.332, 209.255

Trichromacy



Original Color
44, 25.311, 210.702

Protanomaly
43, 14.314, 231.590

Deuteranomaly
43, 16.730, 247.965

Tritanomaly
44, 25.332, 209.255

Monochromacy



Original Color
44, 25.311, 210.702

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 12.703, 206.269

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 25.209, 210.769 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(22, 115, 125)` looks like.

```
.text, #text, p{  
    color:rgb(22, 115, 125)  
}
```

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(22, 115, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(22, 115, 125) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 25.209, 210.769 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(22, 115, 125) }
```

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

```
.border{ border-color:rgb(22, 115, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(22, 115, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(22, 115, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(22, 115, 125);  
box-shadow:4px 4px 4px 4px rgb(22, 115,  
125) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 25.209, 210.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(22, 115, 125) }
```

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

```
.background{ background-color: rgb(22, 115,  
125) }
```

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