

Converting Colors

CIELCh(44, 25.573, 219.380)

Have a look what the booklet for
CIELCh(44, 25.573, 219.380)
contains.

CIELCh(44, 25.577, 219.307)	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, 25.577, 219.307)

Conversions

Conversions Part 1

Format	Color
Hex	137282
RGB	19, 114, 130
RGB Percent	7%, 45%, 51%
CMY	0.9238, 0.5522, 0.4894
CMYK	0.85, 0.12, 0.00, 0.49
HSL	189°, 74%, 29%
HSV	189°, 85%, 51%
XYZ	10.3585, 13.8382, 23.3139
YIQ	87.4190, -61.7560, -15.1640

Conversions

Conversions Part 2

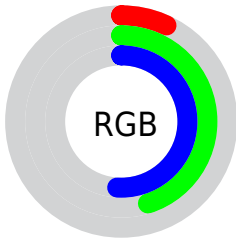
Format	Color
RYB	19, 70, 130
Decimal	1274498
CIELab	44.00, -19.79, -16.20
CIELCh	44, 25.577, 219.307
Yxy	13.8382, 0.2180, 0.2913
Android (android.graphics.Color)	4279464578 (0xFF137282)
YUV	87.4190, 20.9924, -60.0035
Hunter-Lab	37.1997, -15.3952, -11.1186

Details

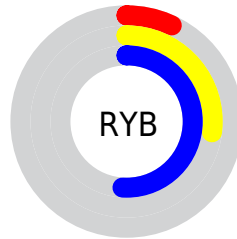
The CIELCh color **44, 25.577, 219.307** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **30, 51.629, 39.794**, and the grayscale version is **37, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 25.558, 219.569**, and **25, 18.943, 228.971** is the 20% darker color. If you saturate the color by 10%, you get **43, 26.248, 221.476**, and if you desaturate by 10%, it is **45, 24.404, 217.554**.

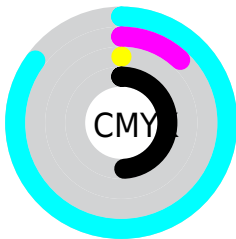
Distribution



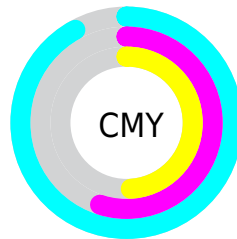
- Red (7%)
- Green (45%)
- Blue (51%)



- Red (7%)
- Yellow (27%)
- Blue (51%)



- Cyan (85%)
- Magenta (12%)
- Yellow (0%)
- Black (49%)




- Cyan (92%)
- Magenta (55%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 25.577, 219.307 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, 25.577, 219.307 by changing the saturation by 10% instead.


 44, 25.577,
219.307


 44, 25.577,
219.307


 100, 25.577,
219.307


 34, 25.577,
219.307

 64, 25.577,
219.307


 24, 25.577,
219.307

 74, 25.577,
219.307

 14, 25.577,
219.307

 84, 25.577,
219.307

 4, 25.577, 219.307

 94, 25.577,
219.307

 0, 25.577, 219.307

 44, 25.577,

 44, 25.577,

219.307

■ 43, 26.248,
221.476

■ 43, 26.530,
222.577

219.307

■ 45, 24.404,
217.554

■ 46, 22.671,
216.190

■ 47, 20.382,
215.159

■ 48, 17.569,
214.407

■ 49, 14.286,
213.885

■ 51, 10.598,
213.553

■ 52, 6.572, 213.383

■ 54, 2.273, 213.423

Harmonies

Complementary

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



44, 25.577, 219.307



30, 51.629, 39.794

Rectangle

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



44, 25.577, 219.307



44, 25.577, 269.307



44, 25.577, 39.307



44, 25.577, 89.307

Sweetspot

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



44, 25.576, 219.306



64, 13.480, 213.592



47, 64.026, 139.560



33, 9.004, 213.676



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



44, 25.576, 219.306



55, 31.974, 223.254



27, 45.693, 288.163



27, 2.534, 213.364



43, 26.508, 222.574



0, 0.621, 213.262

Inverse Universe

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



31, 59.983, 333.766



39, 75.671, 334.907



41, 44.930, 76.488



26, 4.772, 329.157



29, 62.833, 334.736



0, 1.136, 328.660

Previews

White Background



This preview shows how the CIE LCh color 44, 25.577, 219.307 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, 25.577, 219.307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

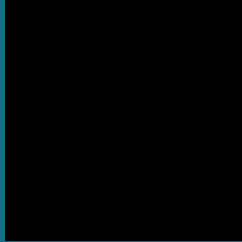
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 25.577, 219.307

Background



This preview shows how black text looks on a background with the CIELCh color 44, 25.577, 219.307.

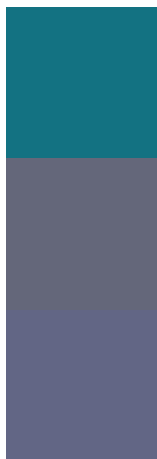


This preview shows how white text looks on a background with the CIELCh color 44, 25.577, 219.307.

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, 25.577, 219.307

Protanopia

44, 11.426, 286.070

Deuteranopia

44, 18.614, 288.345



Tritanopia
44, 26.432, 209.997

Trichromacy



Original Color
44, 25.577, 219.307

Protanomaly
43, 16.033, 241.144

Deuteranomaly
43, 19.311, 253.167

Tritanomaly
44, 26.114, 213.000

Monochromacy



Original Color
44, 25.577, 219.307

Achromatopsia
37, 0.005, 296.813

Achromatomaly
39, 13.074, 211.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 25.577, 219.307 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(19, 114, 130)` looks like.

```
.text, #text, p{  
    color:rgb(19, 114, 130)  
}
```

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(19, 114, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 114, 130) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 25.577, 219.307 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(19, 114, 130) }
```

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

```
.border{ border-color:rgb(19, 114, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 114, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 114, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 114, 130);  
box-shadow:4px 4px 4px 4px rgb(19, 114,  
130) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 25.577, 219.307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 114, 130) }
```

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

```
.background{ background-color: rgb(19, 114,  
130) }
```

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