

Converting Colors

CIELCh(44, 28.089, 196.401)

Have a look what the booklet for
CIELCh(44, 28.089, 196.401)
contains.

CIELCh(44, 28.013, 196.386)	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, 28.013, 196.386)

Conversions

Conversions Part 1

Format	Color
Hex	017474
RGB	1, 116, 116
RGB Percent	0%, 45%, 45%
CMY	0.9965, 0.5438, 0.5439
CMYK	0.99, 0.00, 0.00, 0.54
HSL	180°, 98%, 23%
HSV	180°, 99%, 46%
XYZ	9.4637, 13.8382, 18.7911
YIQ	81.6150, -68.5400, -24.3800

Conversions

Conversions Part 2

Format	Color
R_YB	1, 59, 116
Decimal	95348
CIE Lab	44.00, -26.88, -7.90
CIE LCh	44, 28.013, 196.386
Yxy	13.8382, 0.2248, 0.3288
Android (android.graphics.Color)	4278285428 (0xFF017474)
YUV	81.6150, 16.9518, -70.6994
Hunter-Lab	37.1997, -19.6886, -3.9099

Details

The CIELCh color **44, 28.013, 196.386** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **23, 56.235, 37.368**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 28.217, 195.915**, and **25, 19.019, 198.441** is the 20% darker color. If you saturate the color by 10%, you get **44, 28.069, 196.379**, and if you desaturate by 10%, it is **44, 27.266, 196.462**.

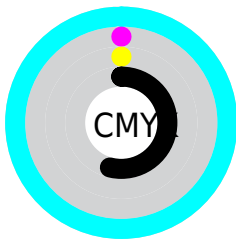
Distribution



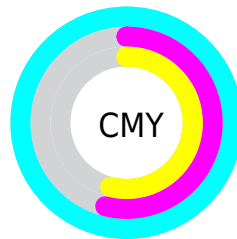
- Red (0%)
- Green (45%)
- Blue (45%)



- Red (0%)
- Yellow (23%)
- Blue (45%)



- Cyan (99%)
- Magenta (0%)
- Yellow (0%)
- Black (54%)



- Cyan (100%)
- Magenta (54%)
- Yellow (54%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 28.013, 196.386 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, 28.013, 196.386 by changing the saturation by 10% instead.

 44, 28.013,
196.386

 44, 28.013,
196.386

 100, 28.013,
196.386

 34, 28.013,
196.386

 64, 28.013,
196.386

 24, 28.013,
196.386

 74, 28.013,
196.386

 14, 28.013,
196.386

 84, 28.013,
196.386

 4, 28.013, 196.386

 94, 28.013,
196.386

 0, 28.013, 196.386

 44, 28.013,

 44, 28.013,

196.386

196.386

■ 44, 28.069,
196.379

■ 44, 27.266,
196.462

■ 44, 26.167,
196.575

■ 45, 24.524,
196.745

■ 45, 22.324,
196.976

■ 45, 19.585,
197.266

■ 46, 16.346,
197.615

■ 46, 12.666,
198.019

■ 47, 8.610, 198.478

Harmonies

Complementary

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



44, 28.013, 196.386



23, 56.235, 37.368

Rectangle

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



44, 28.013, 196.386



44, 28.013, 246.386



44, 28.013, 16.386



44, 28.013, 66.386

Sweetspot

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



44, 28.013, 196.385



59, 15.957, 197.955



42, 66.749, 135.950



30, 10.834, 197.816



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



44, 28.013, 196.385



56, 33.809, 196.379



25, 37.324, 280.024



24, 2.606, 199.021



46, 29.112, 196.379



89, 49.355, 196.379

Inverse Universe

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



23, 56.235, 37.368



31, 69.981, 39.445



31, 47.196, 60.933



23, 2.751, 19.860



24, 59.041, 37.986



52, 102.985, 39.999

Previews

White Background



This preview shows how the CIELCh color 44, 28.013, 196.386 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, 28.013, 196.386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

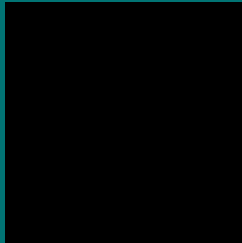
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 28.013, 196.386

Background



This preview shows how black text looks on a background with the CIELCh color 44, 28.013, 196.386.



This preview shows how white text looks on a background with the CIELCh color 44, 28.013, 196.386.

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, 27.949, 196.393

Protanopia

44, 3.036, 298.291

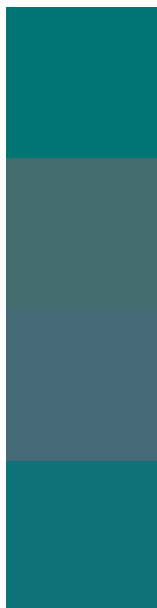
Deuteranopia

44, 11.612, 301.406



Tritanopia
44, 25.432, 209.195

Trichromacy



Original Color
44, 27.949, 196.393

Protanomaly
43, 14.819, 204.808

Deuteranomaly
43, 15.110, 226.853

Tritanomaly
44, 26.201, 204.642

Monochromacy



Original Color
44, 27.949, 196.393

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 15.027, 197.498

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 28.013, 196.386 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(1, 116, 116)` looks like.

```
.text, #text, p{  
    color:rgb(1, 116, 116)  
}
```

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(1, 116, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 116, 116) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 28.013, 196.386 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(1, 116, 116) }
```

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

```
.border{ border-color:rgb(1, 116, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 116, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 116, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 116, 116);  
box-shadow:4px 4px 4px 4px rgb(1, 116,  
116) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 28.013, 196.386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 116, 116) }
```

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

```
.background{ background-color: rgb(1, 116,  
116) }
```

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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