

Converting Colors

CIELCh(39, 69.628, 195.136)

Have a look what the booklet for
CIELCh(39, 69.628, 195.136)
contains.

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Color

CIELCh(44, 27.178, 202.947)

Conversions

Conversions Part 1

Format	Color
Hex	027479
RGB	2, 116, 121
RGB Percent	1%, 45%, 47%
CMY	0.9910, 0.5458, 0.5262
CMYK	0.98, 0.04, 0.00, 0.53
HSL	183°, 96%, 24%
HSV	183°, 98%, 47%
XYZ	9.6919, 13.8382, 20.1879
YIQ	82.4840, -69.5490, -22.6130

Conversions

Conversions Part 2

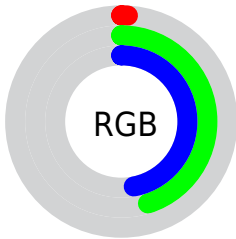
Format	Color
RYB	2, 60, 121
Decimal	160889
CIELab	44.00, -25.03, -10.60
CIELCh	44, 27.178, 202.947
Yxy	13.8382, 0.2217, 0.3165
Android (android.graphics.Color)	4278350969 (0xFF027479)
YUV	82.4840, 18.9884, -70.5845
Hunter-Lab	37.1997, -18.5936, -6.1363

Details

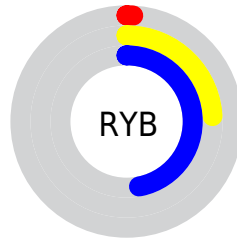
The CIELCh color **44, 27.178, 202.947** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 57.009, 38.421**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **64, 27.019, 203.193**, and **25, 18.512, 209.140** is the 20% darker color. If you saturate the color by 10%, you get **44, 27.293, 203.033**, and if you desaturate by 10%, it is **44, 26.549, 202.483**.

Distribution



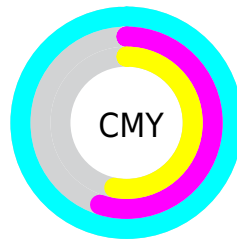
- Red (1%)
- Green (45%)
- Blue (47%)



- Red (1%)
- Yellow (24%)
- Blue (47%)



- Cyan (98%)
- Magenta (4%)
- Yellow (0%)
- Black (53%)



- Cyan (99%)
- Magenta (55%)
- Yellow (53%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 44, 27.178, 202.947 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, 27.178, 202.947 by changing the saturation by 10% instead.

 44, 27.178,
202.947


 44, 27.178,
202.947


 100, 27.178,
202.947


 34, 27.178,
202.947

 64, 27.178,
202.947


 24, 27.178,
202.947

 74, 27.178,
202.947

 14, 27.178,
202.947

 84, 27.178,
202.947

 4, 27.178, 202.947

 94, 27.178,
202.947

 0, 27.178, 202.947

 44, 27.178,

 44, 27.178,

202.947

■ 44, 27.293,
203.033

202.947

■ 44, 26.549,
202.483

■ 45, 25.499,
202.127

■ 45, 23.883,
201.907

■ 46, 21.698,
201.814

■ 46, 18.967,
201.834

■ 47, 15.737,
201.957

■ 48, 12.068,
202.170

■ 49, 8.029, 202.465

Harmonies

Complementary

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



44, 27.178, 202.947



24, 57.009, 38.421

Rectangle

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



44, 27.178, 202.947



44, 27.178, 252.947



44, 27.178, 22.947



44, 27.178, 72.947

Sweetspot

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



44, 27.177, 202.946



61, 15.433, 202.129



44, 67.656, 136.574



31, 10.395, 202.051



83, 0.010, 296.813



34, 0.005, 296.813

Same Dimension

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



44, 27.177, 202.946



57, 33.138, 203.211



25, 41.888, 284.736



25, 2.588, 202.815



45, 27.956, 203.058



87, 46.933, 203.440

Inverse Universe

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



28, 64.000, 329.869



37, 78.253, 329.960



34, 47.291, 65.135



24, 4.791, 326.047



29, 65.989, 329.922



59, 110.893, 330.017

Previews

White Background



This preview shows how the CIELCh color 44, 27.178, 202.947 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, 27.178, 202.947 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

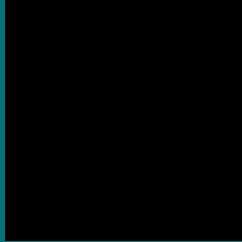
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 27.178, 202.947

Background



This preview shows how black text looks on a background with the CIELCh color 44, 27.178, 202.947.

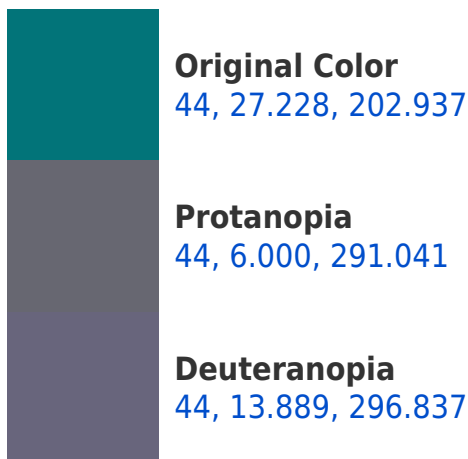


This preview shows how white text looks on a background with the CIELCh color 44, 27.178, 202.947.

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](#).

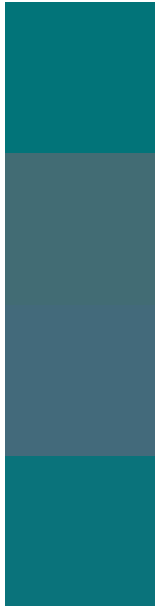
Dichromacy





Tritanopia
44, 25.925, 210.310

Trichromacy



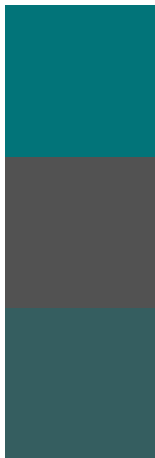
Original Color
44, 27.228, 202.937

Protanomaly
43, 15.309, 216.328

Deuteranomaly
43, 16.378, 237.259

Tritanomaly
44, 26.337, 207.307

Monochromacy



Original Color
44, 27.228, 202.937

Achromatopsia
35, 0.005, 296.813

Achromatomaly
37, 14.876, 202.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 27.178, 202.947 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(2, 116, 121)` looks like.

```
.text, #text, p{  
    color:rgb(2, 116, 121)  
}
```

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(2, 116, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 116, 121) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 27.178, 202.947 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(2, 116, 121) }
```

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

```
.border{ border-color:rgb(2, 116, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 116, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 116, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 116, 121);  
box-shadow:4px 4px 4px 4px rgb(2, 116,  
121) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 27.178, 202.947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 116, 121) }
```

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

```
.background{ background-color: rgb(2, 116,  
121) }
```

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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