

Converting Colors

CIELCh(38, 58.391, 195.100)

Have a look what the booklet for
CIELCh(38, 58.391, 195.100)
contains.

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Color

CIELCh(42, 26.538, 200.446)

Conversions

Conversions Part 1

Format	Color
Hex	026F72
RGB	2, 111, 114
RGB Percent	1%, 44%, 45%
CMY	0.9937, 0.5662, 0.5545
CMYK	0.99, 0.03, 0.00, 0.55
HSL	182°, 97%, 23%
HSV	182°, 99%, 45%
XYZ	8.6766, 12.5000, 17.7573
YIQ	78.7510, -65.9270, -22.1750

Conversions

Conversions Part 2

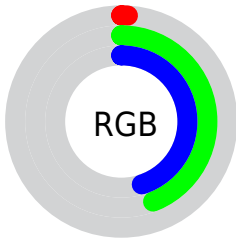
Format	Color
RYB	2, 57, 114
Decimal	159602
CIELab	42.00, -24.87, -9.27
CIELCh	42, 26.538, 200.446
Yxy	12.5000, 0.2229, 0.3211
Android (android.graphics.Color)	4278349682 (0xFF026F72)
YUV	78.7510, 17.3778, -67.3106
Hunter-Lab	35.3553, -18.0658, -5.0298

Details

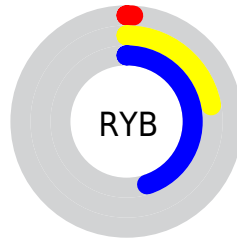
The CIELCh color **42, 26.538, 200.446** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **22, 54.472, 37.649**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 26.419, 200.874**, and **23, 17.986, 202.981** is the 20% darker color. If you saturate the color by 10%, you get **42, 26.632, 200.478**, and if you desaturate by 10%, it is **42, 25.861, 200.204**.

Distribution



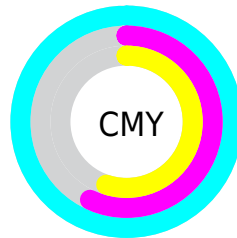
- Red (1%)
- Green (44%)
- Blue (45%)



- Red (1%)
- Yellow (22%)
- Blue (45%)



- Cyan (99%)
- Magenta (3%)
- Yellow (0%)
- Black (55%)





- Cyan (99%)
- Magenta (57%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 26.538, 200.446 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 42, 26.538, 200.446 by changing the saturation by 10% instead.

 42, 26.538,
200.446


 42, 26.538,
200.446


 100, 26.538,
200.446


 32, 26.538,
200.446

 62, 26.538,
200.446


 22, 26.538,
200.446

 72, 26.538,
200.446

 12, 26.538,
200.446

 82, 26.538,
200.446

 2, 26.538, 200.446

 92, 26.538,
200.446

 0, 26.538, 200.446

 42, 26.538,

 42, 26.538,

200.446

■ 42, 26.632,
200.478

200.446

■ 42, 25.861,
200.204

■ 42, 24.821,
200.034

■ 43, 23.245,
199.967

■ 43, 21.128,
200.000

■ 44, 18.492,
200.124

■ 44, 15.378,
200.333

■ 45, 11.844,
200.618

■ 46, 7.954, 200.974

Harmonies

Complementary

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



42, 26.538, 200.446



22, 54.472, 37.649

Rectangle

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



42, 26.538, 200.446



42, 26.538, 250.446



42, 26.538, 20.446



42, 26.538, 70.446

Sweetspot

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



42, 26.538, 200.445



58, 15.307, 200.549



41, 65.168, 136.351



29, 10.250, 200.455



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 26.538, 200.445



54, 32.189, 200.589



24, 38.783, 283.045



23, 2.444, 201.398



44, 27.664, 200.503



87, 47.154, 200.748

Inverse Universe

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



26, 62.053, 329.247



35, 75.426, 329.304



31, 45.584, 63.870



22, 4.501, 325.609



27, 64.804, 329.282



58, 110.549, 329.343

Previews

White Background



This preview shows how the CIE LCh color 42, 26.538, 200.446 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 42, 26.538, 200.446 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

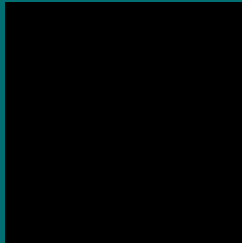
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 26.538, 200.446

Background



This preview shows how black text looks on a background with the CIELCh color 42, 26.538, 200.446.



This preview shows how white text looks on a background with the CIELCh color 42, 26.538, 200.446.

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

42, 26.579, 200.446

Protanopia

42, 4.866, 295.659

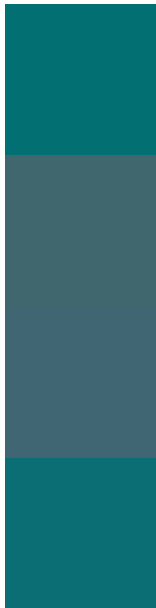
Deuteranopia

42, 12.183, 297.402



Tritanopia
42, 24.877, 209.565

Trichromacy



Original Color
42, 26.579, 200.446

Protanomaly
41, 14.307, 212.706

Deuteranomaly
41, 15.334, 232.052

Tritanomaly
42, 25.435, 206.368

Monochromacy



Original Color
42, 26.579, 200.446

Achromatopsia
33, 0.005, 296.813

Achromatomaly
35, 14.645, 199.964

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 26.538, 200.446 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, 111, 114)` looks like.

```
.text, #text, p{  
    color:rgb(2, 111, 114)  
}
```

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, 111, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 111, 114) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 26.538, 200.446 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, 111, 114) }
```

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

```
.border{ border-color:rgb(2, 111, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 111, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 111, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 111, 114);  
box-shadow:4px 4px 4px 4px rgb(2, 111,  
114) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 26.538, 200.446 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 111, 114) }
```

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

```
.background{ background-color: rgb(2, 111,  
114) }
```

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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