

Converting Colors

CIELCh(40, 25.846, 196.618)

Have a look what the booklet for
CIELCh(40, 25.846, 196.618)
contains.

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Color

CIELCh(40, 25.649, 197.829)

Conversions

Conversions Part 1

Format	Color
Hex	05696A
RGB	5, 105, 106
RGB Percent	2%, 41%, 42%
CMY	0.9809, 0.5869, 0.5830
CMYK	0.95, 0.01, 0.00, 0.58
HSL	181°, 91%, 22%
HSV	181°, 95%, 42%
XYZ	7.7657, 11.2510, 15.4893
YIQ	75.2140, -59.9210, -20.8890

Conversions

Conversions Part 2

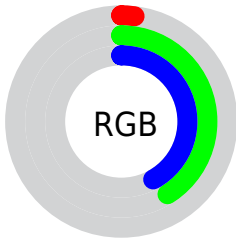
Format	Color
RYB	5, 55, 106
Decimal	354666
CIELab	40.00, -24.42, -7.85
CIELCh	40, 25.649, 197.829
Yxy	11.2510, 0.2251, 0.3261
Android (android.graphics.Color)	4278544746 (0xFF05696A)
YUV	75.2140, 15.1775, -61.5777
Hunter-Lab	33.5425, -17.3733, -3.8993

Details

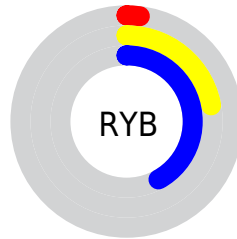
The CIELCh color **40, 25.649, 197.829** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **21, 50.482, 36.100**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 25.719, 197.153**, and **21, 16.951, 201.124** is the 20% darker color. If you saturate the color by 10%, you get **40, 25.986, 197.838**, and if you desaturate by 10%, it is **40, 24.857, 197.809**.

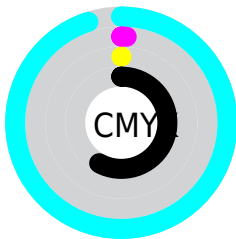
Distribution



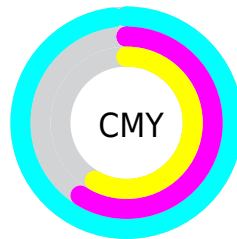
- Red (2%)
- Green (41%)
- Blue (42%)



- Red (2%)
- Yellow (22%)
- Blue (42%)



- Cyan (95%)
- Magenta (1%)
- Yellow (0%)
- Black (58%)





- Cyan (98%)
- Magenta (59%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.649, 197.829 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 40, 25.649, 197.829 by changing the saturation by 10% instead.


 40, 25.649,
197.829


 40, 25.649,
197.829


 100, 25.649,
197.829


 30, 25.649,
197.829

 60, 25.649,
197.829


 20, 25.649,
197.829

 70, 25.649,
197.829

 10, 25.649,
197.829

 80, 25.649,
197.829

 0, 25.649, 197.829

 90, 25.649,
197.829

 40, 25.649,

 40, 25.649,

197.829

197.829

■ 40, 25.986,
197.838

■ 40, 24.857,
197.809

■ 40, 23.637,
197.853

■ 41, 21.907,
197.968

■ 41, 19.670,
198.156

■ 42, 16.953,
198.412

■ 42, 13.801,
198.732

■ 43, 10.270,
199.114

■ 44, 6.421, 199.556

Harmonies

Complementary

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



40, 25.649, 197.829



21, 50.482, 36.100

Rectangle

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



40, 25.649, 197.829



40, 25.649, 247.829



40, 25.649, 17.829



40, 25.649, 67.829

Sweetspot

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



40, 25.649, 197.828



54, 14.265, 198.940



39, 61.557, 136.355



27, 9.605, 198.823



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 25.649, 197.828



51, 31.263, 197.879



23, 34.431, 279.849



22, 2.391, 199.888



44, 27.859, 197.855



87, 47.902, 197.943

Inverse Universe

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



24, 59.167, 328.530



32, 72.543, 328.616



29, 42.110, 63.077



21, 4.378, 325.143



27, 64.636, 328.610



58, 111.177, 328.632

Previews

White Background



This preview shows how the CIE LCh color 40, 25.649, 197.829 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 40, 25.649, 197.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

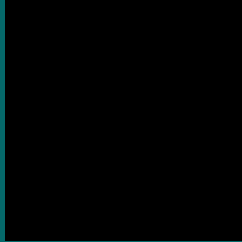
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 25.649, 197.829

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.649, 197.829.

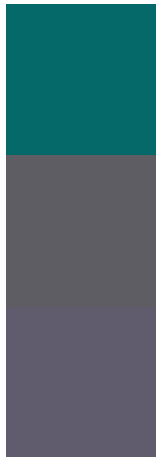


This preview shows how white text looks on a background with the CIELCh color 40, 25.649, 197.829.

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


40, 25.577, 197.840

Protanopia

40, 3.695, 297.122

Deuteranopia

40, 10.531, 300.369



Tritanopia
40, 23.565, 210.474

Trichromacy



Original Color
40, 25.577, 197.840

Protanomaly
39, 13.078, 211.560

Deuteranomaly
39, 13.633, 227.961

Tritanomaly
40, 24.104, 207.055

Monochromacy



Original Color
40, 25.577, 197.840

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 13.838, 197.537

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.649, 197.829 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(5, 105, 106)` looks like.

```
.text, #text, p{  
    color:rgb(5, 105, 106)  
}
```

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(5, 105, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 105, 106) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.649, 197.829 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(5, 105, 106) }
```

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

```
.border{ border-color:rgb(5, 105, 106) }
```

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

Here you see how a box with a 4 pixel rgb(5, 105, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 105, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(5, 105, 106);  
box-shadow:4px 4px 4px 4px rgb(5, 105,  
106) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.649, 197.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 105, 106) }
```

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

```
.background{ background-color: rgb(5, 105,  
106) }
```

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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