

Converting Colors

CIELCh(40, 24.806, 214.749)

Have a look what the booklet for
CIELCh(40, 24.806, 214.749)
contains.

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Color

CIELCh(40, 24.788, 215.728)

Conversions

Conversions Part 1

Format	Color
Hex	046875
RGB	4, 104, 117
RGB Percent	2%, 41%, 46%
CMY	0.9862, 0.5914, 0.5404
CMYK	0.97, 0.11, 0.00, 0.54
HSL	187°, 94%, 24%
HSV	187°, 97%, 46%
XYZ	8.2360, 11.2510, 18.6272
YIQ	75.5820, -63.7730, -17.1570

Conversions

Conversions Part 2

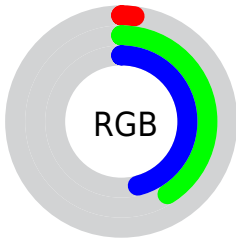
Format	Color
RYB	4, 57, 117
Decimal	288885
CIELab	40.00, -20.12, -14.47
CIELCh	40, 24.788, 215.728
Yxy	11.2510, 0.2161, 0.2952
Android (android.graphics.Color)	4278478965 (0xFF046875)
YUV	75.5820, 20.4191, -62.7774
Hunter-Lab	33.5425, -14.8705, -9.4460

Details

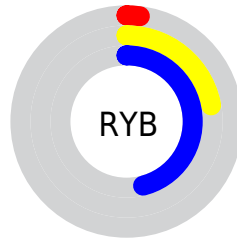
The CIELCh color **40, 24.788, 215.728** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **24, 54.024, 39.788**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 24.732, 216.321**, and **21, 17.002, 228.671** is the 20% darker color. If you saturate the color by 10%, you get **40, 24.957, 216.204**, and if you desaturate by 10%, it is **41, 24.198, 214.133**.

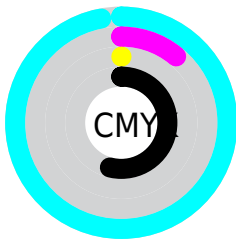
Distribution



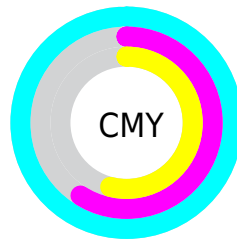
- Red (2%)
- Green (41%)
- Blue (46%)



- Red (2%)
- Yellow (22%)
- Blue (46%)



- Cyan (97%)
- Magenta (11%)
- Yellow (0%)
- Black (54%)



- Cyan (99%)
- Magenta (59%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 24.788, 215.728 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, 24.788, 215.728 by changing the saturation by 10% instead.

 40, 24.788,
215.728


 40, 24.788,
215.728

 100, 24.788,
215.728

 30, 24.788,
215.728

 60, 24.788,
215.728


 20, 24.788,
215.728

 70, 24.788,
215.728

 10, 24.788,
215.728

 80, 24.788,
215.728

 0, 24.788, 215.728

 90, 24.788,
215.728

 40, 24.788,

 40, 24.788,

215.728

■ 40, 24.957,
216.204

215.728

■ 41, 24.198,
214.133

■ 41, 23.192,
212.814

■ 42, 21.660,
211.802

■ 43, 19.601,
211.056

■ 44, 17.044,
210.536

■ 45, 14.038,
210.205

■ 46, 10.640,
210.033

■ 47, 6.914, 209.997

Harmonies

Complementary

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



40, 24.788, 215.728



24, 54.024, 39.788

Rectangle

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



40, 24.788, 215.728



40, 24.788, 265.728



40, 24.788, 35.728



40, 24.788, 85.728

Sweetspot

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



40, 24.787, 215.727



59, 14.083, 210.066



42, 64.377, 137.595



29, 9.485, 210.121



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



40, 24.787, 215.727



52, 30.216, 216.783



22, 45.601, 289.702



24, 2.341, 210.072



42, 25.738, 216.307



81, 43.472, 217.567

Inverse Universe

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



26, 59.108, 333.004



35, 72.250, 333.297



35, 45.319, 71.327



23, 4.398, 328.185



27, 61.562, 333.180



58, 103.876, 333.490

Previews

White Background



This preview shows how the CIE LCh color 40, 24.788, 215.728 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, 24.788, 215.728 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

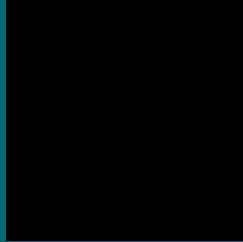
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 24.788, 215.728

Background



This preview shows how black text looks on a background with the CIELCh color 40, 24.788, 215.728.

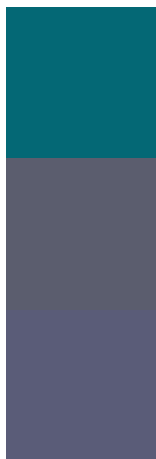


This preview shows how white text looks on a background with the CIELCh color 40, 24.788, 215.728.

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, 24.724, 215.785

Protanopia

40, 10.390, 287.474

Deuteranopia

40, 17.096, 290.275



Tritanopia
40, 25.218, 207.930

Trichromacy



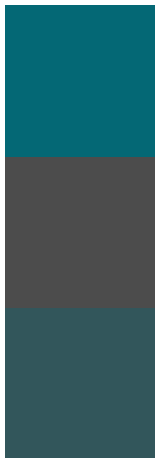
Original Color
40, 24.724, 215.785

Protanomaly
39, 15.898, 236.527

Deuteranomaly
39, 18.180, 249.725

Tritanomaly
40, 25.077, 210.954

Monochromacy



Original Color
40, 24.724, 215.785

Achromatopsia
32, 0.005, 296.813

Achromatomaly
34, 13.399, 211.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 24.788, 215.728 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(4, 104, 117)` looks like.

```
.text, #text, p{  
    color:rgb(4, 104, 117)  
}
```

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(4, 104, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 104, 117) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 24.788, 215.728 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(4, 104, 117) }
```

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

```
.border{ border-color:rgb(4, 104, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 104, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 104, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 104, 117);  
box-shadow:4px 4px 4px 4px rgb(4, 104,  
117) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 24.788, 215.728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 104, 117) }
```

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

```
.background{ background-color: rgb(4, 104,  
117) }
```

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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