

Converting Colors

CIELCh(40, 24.774, 171.609)

Have a look what the booklet for
CIELCh(40, 24.774, 171.609)
contains.

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Color

CIELCh(40, 24.775, 171.675)

Conversions

Conversions Part 1

Format	Color
Hex	2B6958
RGB	43, 105, 88
RGB Percent	17%, 41%, 35%
CMY	0.8326, 0.5894, 0.6560
CMYK	0.59, 0.00, 0.16, 0.59
HSL	164°, 42%, 29%
HSV	164°, 59%, 41%
XYZ	7.7553, 11.2510, 10.9351
YIQ	84.5240, -31.4950, -18.4310

Conversions

Conversions Part 2

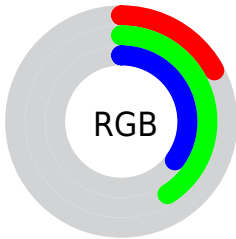
Format	Color
RYB	43, 79, 105
Decimal	2845016
CIELab	40.00, -24.51, 3.59
CIElCh	40, 24.775, 171.675
Yxy	11.2510, 0.2590, 0.3758
Android (android.graphics.Color)	4281035096 (0xFF2B6958)
YUV	84.5240, 1.7137, -36.4165
Hunter-Lab	33.5425, -17.4286, 4.1507

Details

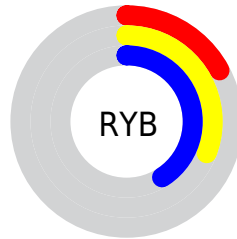
The CIELCh color **40, 24.775, 171.675** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **27, 29.782, 5.915**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 24.850, 171.546**, and **20, 21.756, 169.640** is the 20% darker color. If you saturate the color by 10%, you get **40, 27.900, 170.289**, and if you desaturate by 10%, it is **40, 21.241, 172.929**.

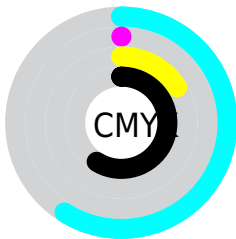
Distribution



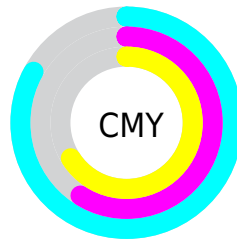
- Red (17%)
- Green (41%)
- Blue (35%)



- Red (17%)
- Yellow (31%)
- Blue (41%)



- Cyan (59%)
- Magenta (0%)
- Yellow (16%)
- Black (59%)





- Cyan (83%)
- Magenta (59%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 24.775, 171.675 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, 24.775, 171.675 by changing the saturation by 10% instead.


 40, 24.775,
171.675


 40, 24.775,
171.675


 100, 24.775,
171.675


 30, 24.775,
171.675

 60, 24.775,
171.675


 20, 24.775,
171.675

 70, 24.775,
171.675

 10, 24.775,
171.675

 80, 24.775,
171.675

 0, 24.775, 171.675

 90, 24.775,
171.675

 40, 24.775,

 40, 24.775,

171.675

■ 40, 27.900,
170.289

■ 39, 30.574,
168.754

■ 39, 32.786,
167.052

■ 39, 34.741,
165.325

■ 39, 34.894,
165.200

171.675

■ 40, 21.241,
172.929

■ 41, 17.356,
174.075

■ 42, 13.186,
175.132

■ 43, 8.800, 176.118

■ 43, 4.265, 177.067

■ 44, 0.362, 357.016

■ 45, 5.031, 358.609

■ 47, 9.701, 359.414

■ 48, 14.341, 0.167

Harmonies

Complementary

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



40, 24.775, 171.675



27, 29.782, 5.915

Rectangle

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



40, 24.775, 171.675



40, 24.775, 221.675



40, 24.775, 351.675



40, 24.775, 41.675

Sweetspot

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



40, 24.775, 171.674



54, 10.167, 176.189



40, 40.876, 133.358



28, 7.101, 175.974



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, 24.775, 171.674



51, 34.744, 169.738



36, 17.544, 226.328



22, 2.646, 177.090



43, 37.985, 164.909



86, 66.669, 163.588

Inverse Universe

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



27, 29.782, 5.915



32, 43.233, 9.566



29, 26.841, 41.575



21, 2.718, 358.522



23, 49.353, 20.909



52, 86.768, 24.530

Previews

White Background



This preview shows how the CIELCh color 40, 24.775, 171.675 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 CIE LCh color 40, 24.775, 171.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

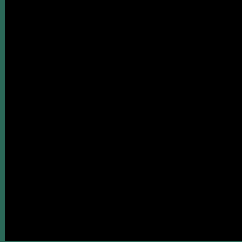
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 24.775, 171.675

Background



This preview shows how black text looks on a background with the CIELCh color 40, 24.775, 171.675.



This preview shows how white text looks on a background with the CIELCh color 40, 24.775, 171.675.

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, 24.775, 171.675

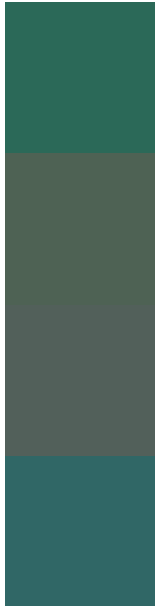
Protanopia
40, 7.487, 95.408

Deuteranopia
40, 5.602, 20.114



Tritanopia
40, 17.609, 213.723

Trichromacy



Original Color
40, 24.775, 171.675

Protanomaly
40, 12.041, 152.874

Deuteranomaly
39, 6.911, 166.511

Tritanomaly
40, 19.007, 195.283

Monochromacy



Original Color
40, 24.775, 171.675

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 10.415, 173.450

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 24.775, 171.675 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(43, 105, 88)` looks like.

```
.text, #text, p{  
    color:rgb(43, 105, 88)  
}
```

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(43, 105, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 105, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 24.775, 171.675 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(43, 105, 88) }
```

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

```
.border{ border-color:rgb(43, 105, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 105, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 105, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 105, 88);  
box-shadow:4px 4px 4px 4px rgb(43, 105,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 24.775, 171.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 105, 88) }
```

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

```
.background{ background-color: rgb(43, 105,  
88) }
```

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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