

Converting Colors

CIELCh(40, 29.448, 254.941)

Have a look what the booklet for
CIELCh(40, 29.448, 254.941)
contains.

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Color

CIELCh(40, 29.409, 254.960)

Conversions

Conversions Part 1

Format	Color
Hex	18648C
RGB	24, 100, 140
RGB Percent	9%, 39%, 55%
CMY	0.9044, 0.6071, 0.4501
CMYK	0.83, 0.29, 0.00, 0.45
HSL	201°, 70%, 32%
HSV	201°, 83%, 55%
XYZ	9.7112, 11.2510, 26.5530
YIQ	81.8360, -58.1360, -3.6720

Conversions

Conversions Part 2

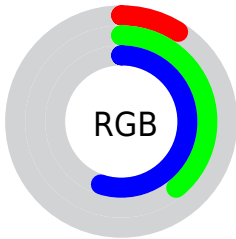
Format	Color
R_{YB}	24, 70, 140
Decimal	1598604
CIE _{Lab}	40.00, -7.63, -28.40
CIE _{LCh}	40, 29.409, 254.960
Yxy	11.2510, 0.2044, 0.2368
Android (android.graphics.Color)	4279788684 (0xFF18648C)
YUV	81.8360, 28.6749, -50.7222
Hunter-Lab	33.5425, -7.0203, -23.4556

Details

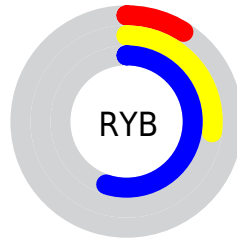
The CIELCh color **40, 29.409, 254.960** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **37, 48.163, 51.978**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 29.373, 254.876**, and **21, 26.076, 268.345** is the 20% darker color. If you saturate the color by 10%, you get **38, 31.741, 259.457**, and if you desaturate by 10%, it is **42, 26.873, 251.062**.

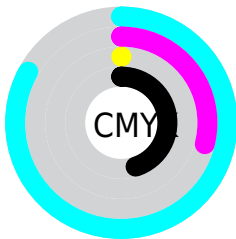
Distribution



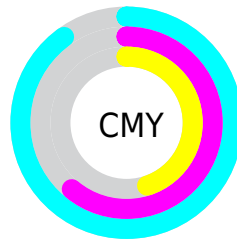
- Red (9%)
- Green (39%)
- Blue (55%)



- Red (9%)
- Yellow (27%)
- Blue (55%)



- Cyan (83%)
- Magenta (29%)
- Yellow (0%)
- Black (45%)





- Cyan (90%)
- Magenta (61%)
- Yellow (45%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 29.409, 254.960 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, 29.409, 254.960 by changing the saturation by 10% instead.


 40, 29.409,
254.960


 40, 29.409,
254.960


 100, 29.409,
254.960


 30, 29.409,
254.960

 60, 29.409,
254.960


 20, 29.409,
254.960

 70, 29.409,
254.960

 10, 29.409,
254.960

 80, 29.409,
254.960

 0, 29.409, 254.960

 90, 29.409,
254.960

 40, 29.409,

 40, 29.409,

254.960

■ 38, 31.741,
259.457

■ 37, 33.476,
262.841

254.960

■ 42, 26.873,
251.062

■ 44, 24.057,
247.777

■ 46, 20.925,
245.061

■ 48, 17.478,
242.845

■ 50, 13.740,
241.047

■ 53, 9.748, 239.598

■ 55, 5.544, 238.444

■ 58, 1.169, 237.734

■ 60, 3.340, 56.525

Harmonies

Complementary

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



40, 29.409, 254.960



37, 48.163, 51.978

Rectangle

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



40, 29.409, 254.960



40, 29.409, 304.960



40, 29.409, 74.960



40, 29.409, 124.960

Sweetspot

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



40, 29.408, 254.961



66, 13.196, 239.988



51, 57.876, 145.966



34, 9.010, 240.432



88, 0.010, 296.813



39, 0.006, 296.813

Same Dimension

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



40, 29.408, 254.961



48, 40.632, 263.544



23, 62.980, 298.581



28, 2.460, 238.113



35, 32.045, 262.545



1, 1.159, 237.213

Inverse Universe

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



32, 54.987, 344.410



40, 69.406, 348.106



51, 51.060, 93.040



27, 4.268, 336.776



28, 55.570, 347.634



0, 1.966, 336.180

Previews

White Background



This preview shows how the CIE LCh color 40, 29.409, 254.960 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, 29.409, 254.960 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

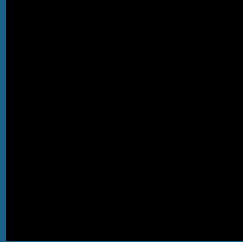
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 29.409, 254.960

Background



This preview shows how black text looks on a background with the CIELCh color 40, 29.409, 254.960.



This preview shows how white text looks on a background with the CIELCh color 40, 29.409, 254.960.

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, 29.409, 254.960

Protanopia

40, 25.749, 285.761

Deuteranopia

40, 29.730, 280.598



Tritanopia
40, 25.044, 208.030

Trichromacy



Original Color
40, 29.409, 254.960

Protanomaly
39, 26.624, 270.297

Deuteranomaly
40, 29.272, 269.810

Tritanomaly
40, 24.740, 225.401

Monochromacy



Original Color
40, 29.409, 254.960

Achromatopsia
35, 0.005, 296.813

Achromatomaly
36, 13.032, 240.536

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 29.409, 254.960 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(24, 100, 140)` looks like.

```
.text, #text, p{  
    color:rgb(24, 100, 140)  
}
```

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(24, 100, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 100, 140) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 29.409, 254.960 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(24, 100, 140) }
```

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

```
.border{ border-color:rgb(24, 100, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 100, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 100, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 100, 140);  
box-shadow:4px 4px 4px 4px rgb(24, 100,  
140) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 29.409, 254.960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 100, 140) }
```

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

```
.background{ background-color: rgb(24, 100,  
140) }
```

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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