

Converting Colors

CIELCh(30, 40.491, 279.183)

Have a look what the booklet for
CIELCh(30, 40.491, 279.183)
contains.

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Color

CIELCh(30, 40.530, 279.230)

Conversions

Conversions Part 1

Format	Color
Hex	024785
RGB	2, 71, 133
RGB Percent	1%, 28%, 52%
CMY	0.9940, 0.7209, 0.4777
CMYK	0.99, 0.47, 0.00, 0.48
HSL	208°, 98%, 26%
HSV	208°, 99%, 52%
XYZ	6.5294, 6.2359, 23.1186
YIQ	57.4370, -61.0260, 4.6540

Conversions

Conversions Part 2

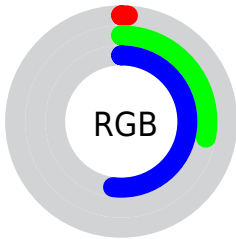
Format	Color
R_{YB}	2, 47, 133
Decimal	149381
CIE _{Lab}	30.00, 6.50, -40.01
CIE _{LCh}	30, 40.530, 279.230
Yxy	6.2359, 0.1820, 0.1738
Android (android.graphics.Color)	4278339461 (0xFF024785)
YUV	57.4370, 37.2526, -48.6182
Hunter-Lab	24.9718, 2.9716, -37.4097

Details

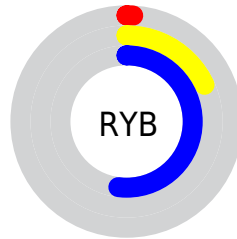
The CIELCh color **30, 40.530, 279.230** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **35, 52.343, 59.516**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 40.577, 279.454**, and **13, 38.566, 292.333** is the 20% darker color. If you saturate the color by 10%, you get **30, 40.992, 279.690**, and if you desaturate by 10%, it is **32, 36.623, 274.901**.

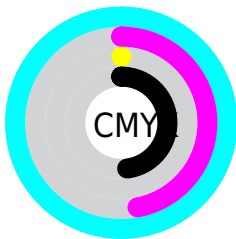
Distribution



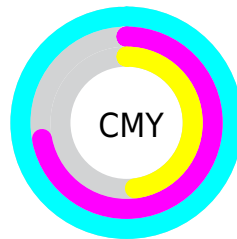
- Red (1%)
- Green (28%)
- Blue (52%)



- Red (1%)
- Yellow (18%)
- Blue (52%)



- Cyan (99%)
- Magenta (47%)
- Yellow (0%)
- Black (48%)





- Cyan (99%)
- Magenta (72%)
- Yellow (48%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 40.530, 279.230 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 30, 40.530, 279.230 by changing the saturation by 10% instead.


 30, 40.530,
279.230


 30, 40.530,
279.230

 100, 40.530,
279.230


 20, 40.530,
279.230


 50, 40.530,
279.230


 10, 40.530,
279.230

 60, 40.530,
279.230

 0, 40.530, 279.230

 70, 40.530,
279.230

 80, 40.530,
279.230

 90, 40.530,
279.230

■ 30, 40.530,
279.230

■ 30, 40.530,
279.230

■ 30, 40.992,
279.690

■ 32, 36.623,
274.901

■ 34, 32.815,
270.684

■ 37, 28.996,
266.902

■ 39, 25.105,
263.607

■ 42, 21.105,
260.791

■ 45, 16.984,
258.412

■ 47, 12.744,
256.415

■ 50, 8.402, 254.743

Harmonies

Complementary

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



30, 40.530, 279.230



35, 52.343, 59.516

Rectangle

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



30, 40.530, 279.230



30, 40.530, 329.230



30, 40.530, 99.230



30, 40.530, 149.230

Sweetspot

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



30, 40.530, 279.232



60, 16.407, 256.753



49, 55.641, 148.419



30, 11.106, 257.449



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



30, 40.530, 279.232



39, 50.791, 280.843



15, 80.226, 305.553



27, 2.523, 253.397



29, 40.204, 279.570



0, 0.608, 252.231

Inverse Universe

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



28, 52.622, 357.769



37, 63.879, 359.077



53, 58.144, 100.818



26, 3.787, 342.791



27, 51.918, 358.023



0, 0.898, 342.122

Previews

White Background



This preview shows how the CIE LCh color 30, 40.530, 279.230 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 ✓ Pass

Black Background



This preview shows how the CIELCh color 30, 40.530, 279.230 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

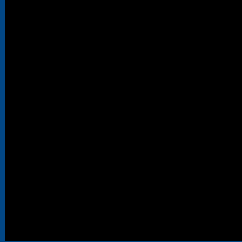
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 40.530, 279.230

Background



This preview shows how black text looks on a background with the CIELCh color 30, 40.530, 279.230.



This preview shows how white text looks on a background with the CIELCh color 30, 40.530, 279.230.

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


30, 40.514, 279.323

Protanopia

30, 39.778, 286.003

Deuteranopia

30, 36.573, 274.969



Tritanopia
30, 20.789, 205.560

Trichromacy



Original Color
30, 40.514, 279.323

Protanomaly
30, 40.121, 282.468

Deuteranomaly
30, 37.668, 276.242

Tritanomaly
30, 23.066, 244.557

Monochromacy



Original Color
30, 40.514, 279.323

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 16.920, 263.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 40.530, 279.230 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, 71, 133)` looks like.

```
.text, #text, p{  
    color:rgb(2, 71, 133)  
}
```

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, 71, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 71, 133) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 40.530, 279.230 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, 71, 133) }
```

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

```
.border{ border-color:rgb(2, 71, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 71, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 71, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 71, 133);  
box-shadow:4px 4px 4px 4px rgb(2, 71, 133)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 40.530, 279.230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 71, 133) }
```

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

```
.background{ background-color: rgb(2, 71,  
133) }
```

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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