

Converting Colors

CIELCh(30, 41.030, 280.554)

Have a look what the booklet for
CIELCh(30, 41.030, 280.554)
contains.

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Color

CIELCh(30, 40.982, 280.435)

Conversions

Conversions Part 1

Format	Color
Hex	084786
RGB	8, 71, 134
RGB Percent	3%, 28%, 53%
CMY	0.9682, 0.7227, 0.4758
CMYK	0.94, 0.47, 0.00, 0.48
HSL	210°, 89%, 28%
HSV	210°, 94%, 52%
XYZ	6.6179, 6.2359, 23.2928
YIQ	59.3450, -57.7710, 6.2370

Conversions

Conversions Part 2

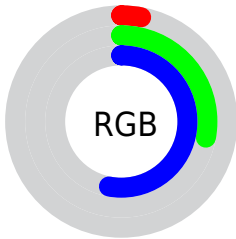
Format	Color
R_YB	8, 50, 134
Decimal	542598
CIE Lab	30.00, 7.42, -40.30
CIE LCh	30, 40.982, 280.435
Yxy	6.2359, 0.1831, 0.1725
Android (android.graphics.Color)	4278732678 (0xFF084786)
YUV	59.3450, 36.8049, -45.0296
Hunter-Lab	24.9718, 3.6047, -37.8234

Details

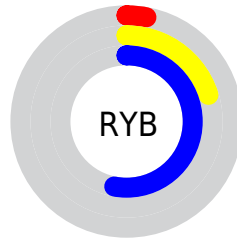
The CIELCh color **30, 40.982, 280.435** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **37, 49.629, 62.834**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 41.026, 280.418**, and **13, 39.223, 292.673** is the 20% darker color. If you saturate the color by 10%, you get **29, 43.660, 282.891**, and if you desaturate by 10%, it is **32, 36.725, 276.167**.

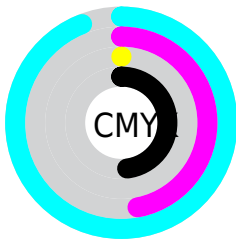
Distribution



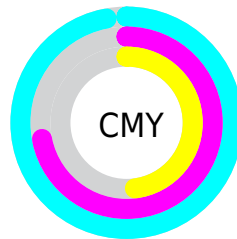
- Red (3%)
- Green (28%)
- Blue (53%)



- Red (3%)
- Yellow (20%)
- Blue (53%)



- Cyan (94%)
- Magenta (47%)
- Yellow (0%)
- Black (48%)





- Cyan (97%)
- Magenta (72%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 40.982, 280.435 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, 40.982, 280.435 by changing the saturation by 10% instead.


 30, 40.982,
280.435


 30, 40.982,
280.435

 100, 40.982,
280.435


 20, 40.982,
280.435


 50, 40.982,
280.435


 10, 40.982,
280.435

 60, 40.982,
280.435

 0, 40.982, 280.435

 70, 40.982,
280.435

 80, 40.982,
280.435

 90, 40.982,
280.435

■ 30, 40.982,
280.435

■ 30, 40.982,
280.435

■ 29, 43.660,
282.891

■ 32, 36.725,
276.167

■ 35, 32.535,
272.222

■ 37, 28.348,
268.710

■ 40, 24.113,
265.661

■ 43, 19.803,
263.055

■ 46, 15.410,
260.848

■ 49, 10.938,
258.986

■ 52, 6.401, 257.424

Harmonies

Complementary

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



30, 40.982, 280.435



37, 49.629, 62.834

Rectangle

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



30, 40.982, 280.435



30, 40.982, 330.435



30, 40.982, 100.435



30, 40.982, 150.435

Sweetspot

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



30, 40.982, 280.437



61, 15.785, 259.821



49, 52.253, 151.019



30, 10.824, 260.530



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, 40.982, 280.437



37, 53.990, 283.982



15, 79.393, 305.510



26, 2.581, 256.774



28, 42.688, 282.758



0, 0.621, 255.580

Inverse Universe

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



29, 51.569, 358.836



37, 63.477, 1.914



54, 58.575, 103.014



26, 3.710, 344.411



27, 51.544, 0.765



0, 0.879, 343.723

Previews

White Background



This preview shows how the CIE LCh color 30, 40.982, 280.435 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, 40.982, 280.435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

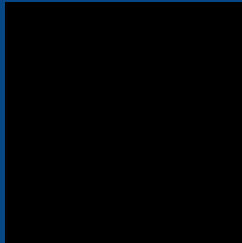
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 40.982, 280.435

Background



This preview shows how black text looks on a background with the CIELCh color 30, 40.982, 280.435.



This preview shows how white text looks on a background with the CIELCh color 30, 40.982, 280.435.

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, 40.996, 280.345

Protanopia

30, 40.408, 286.073

Deuteranopia

30, 36.573, 274.969



Tritanopia
30, 20.789, 205.560

Trichromacy



Original Color
30, 40.996, 280.345

Protanomaly
30, 40.660, 283.239

Deuteranomaly
30, 37.630, 276.449

Tritanomaly
30, 22.944, 244.894

Monochromacy



Original Color
30, 40.996, 280.345

Achromatopsia
25, 0.004, 296.813

Achromatomaly
26, 16.648, 264.646

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 40.982, 280.435 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(8, 71, 134)` looks like.

```
.text, #text, p{  
    color:rgb(8, 71, 134)  
}
```

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(8, 71, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(8, 71, 134) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 40.982, 280.435 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(8, 71, 134) }
```

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

```
.border{ border-color:rgb(8, 71, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(8, 71, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(8, 71, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(8, 71, 134);  
box-shadow:4px 4px 4px 4px rgb(8, 71, 134)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 40.982, 280.435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(8, 71, 134) }
```

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

```
.background{ background-color: rgb(8, 71,  
134) }
```

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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