

Converting Colors

CIELCh(30, 80.535, 298.398)

Have a look what the booklet for
CIELCh(30, 80.535, 298.398)
contains.

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Color

CIELCh(30, 80.646, 298.452)

Conversions

Conversions Part 1

Format	Color
Hex	0337B8
RGB	3, 55, 184
RGB Percent	1%, 22%, 72%
CMY	0.9886, 0.7837, 0.2776
CMYK	0.98, 0.70, 0.00, 0.28
HSL	223°, 97%, 37%
HSV	223°, 98%, 72%
XYZ	10.0834, 6.2359, 46.1334
YIQ	54.1580, -72.4010, 29.0950

Conversions

Conversions Part 2

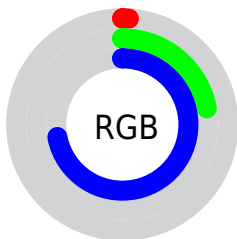
Format	Color
R _Y B	3, 43, 184
Decimal	210872
CIE Lab	30.00, 38.42, -70.91
CIE LCh	30, 80.646, 298.452
Yxy	6.2359, 0.1615, 0.0998
Android (android.graphics.Color)	4278400952 (0xFF0337B8)
YUV	54.1580, 64.0121, -44.8656
Hunter-Lab	24.9718, 28.3765, -92.0533

Details

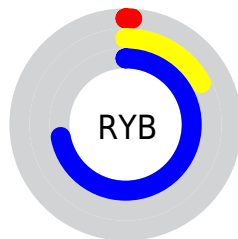
The CIELCh color **30, 80.646, 298.452** is a dark color, and the websafe version is hex **0033CC**. A complement of this color would be **59, 64.619, 80.213**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 80.452, 298.481**, and **15, 75.109, 304.104** is the 20% darker color. If you saturate the color by 10%, you get **29, 82.004, 298.918**, and if you desaturate by 10%, it is **34, 71.861, 295.178**.

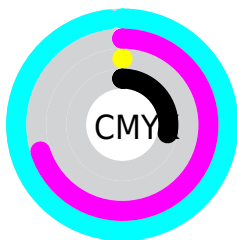
Distribution



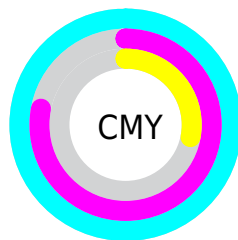
- Red (1%)
- Green (22%)
- Blue (72%)



- Red (1%)
- Yellow (17%)
- Blue (72%)



- Cyan (98%)
- Magenta (70%)
- Yellow (0%)
- Black (28%)





- Cyan (99%)
- Magenta (78%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 80.646, 298.452 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, 80.646, 298.452 by changing the saturation by 10% instead.


 30, 80.646,
298.452


 30, 80.646,
298.452

 100, 80.646,
298.452


 20, 80.646,
298.452


 50, 80.646,
298.452


 10, 80.646,
298.452

 60, 80.646,
298.452

 0, 80.646, 298.452

 70, 80.646,
298.452

 80, 80.646,
298.452

 90, 80.646,
298.452

■ 30, 80.646,
298.452

■ 30, 80.646,
298.452

■ 29, 82.004,
298.918

■ 34, 71.861,
295.178

■ 38, 62.940,
291.790

■ 42, 54.160,
288.546

■ 47, 45.624,
285.586

■ 51, 37.340,
282.966

■ 56, 29.282,
280.693

■ 61, 21.422,
278.740

■ 66, 13.739,

277.069

■ 71, 6.219, 275.650

Harmonies

Complementary

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



30, 80.646, 298.452



59, 64.619, 80.213

Rectangle

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



30, 80.646, 298.452



30, 80.646, 348.452



30, 80.646, 118.452



30, 80.646, 168.452

Sweetspot

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



30, 80.647, 298.453



77, 28.073, 279.122



67, 54.893, 162.183



38, 19.230, 279.928



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



30, 80.647, 298.453



39, 101.588, 299.467



24, 102.389, 307.199



36, 4.177, 275.770



24, 71.421, 298.477



2, 12.256, 279.860

Inverse Universe

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



39, 68.447, 21.349



51, 84.678, 23.202



70, 77.517, 114.604



36, 4.296, 357.600



32, 60.689, 21.337



2, 11.168, 2.435

Previews

White Background



This preview shows how the CIE LCh color 30, 80.646, 298.452 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 CIE LCh color 30, 80.646, 298.452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

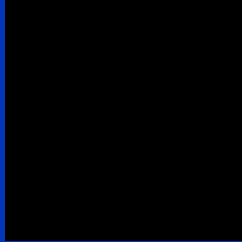
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 80.646, 298.452

Background



This preview shows how black text looks on a background with the CIELCh color 30, 80.646, 298.452.



This preview shows how white text looks on a background with the CIELCh color 30, 80.646, 298.452.

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, 80.636, 298.480

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.838, 271.311



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 80.636, 298.480

Protanomaly
30, 61.049, 292.250

Deuteranomaly
30, 50.092, 286.741

Tritanomaly
29, 33.813, 272.663

Monochromacy



Original Color
30, 80.636, 298.480

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 31.352, 286.555

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 80.646, 298.452 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(3, 55, 184)` looks like.

```
.text, #text, p{  
    color:rgb(3, 55, 184)  
}
```

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(3, 55, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 55, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 80.646, 298.452 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(3, 55, 184) }
```

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

```
.border{ border-color:rgb(3, 55, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 55, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 55, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 55, 184);  
box-shadow:4px 4px 4px 4px rgb(3, 55, 184)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 80.646, 298.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 55, 184) }
```

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

```
.background{ background-color: rgb(3, 55,  
184) }
```

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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