

Converting Colors

CIELCh(28, 70.111, 291.620)

Have a look what the booklet for
CIELCh(28, 70.111, 291.620)
contains.

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Color

CIELCh(30, 68.906, 295.087)

Conversions

Conversions Part 1

Format	Color
Hex	043DAA
RGB	4, 61, 170
RGB Percent	2%, 24%, 67%
CMY	0.9858, 0.7617, 0.3335
CMYK	0.98, 0.64, 0.00, 0.33
HSL	219°, 96%, 34%
HSV	219°, 98%, 67%
XYZ	8.9521, 6.2359, 38.7371
YIQ	56.3830, -68.9610, 21.8150

Conversions

Conversions Part 2

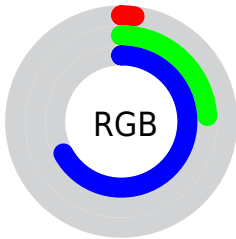
Format	Color
R_{YB}	4, 46, 170
Decimal	277930
CIE _{Lab}	30.00, 29.22, -62.41
CIE _{LCh}	30, 68.906, 295.087
Yxy	6.2359, 0.1660, 0.1156
Android (android.graphics.Color)	4278468010 (0xFF043DAA)
YUV	56.3830, 56.0132, -45.9399
Hunter-Lab	24.9718, 20.2895, -74.4925

Details

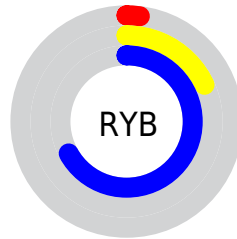
The CIELCh color **30, 68.906, 295.087** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **52, 60.212, 75.345**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 68.548, 295.008**, and **15, 64.976, 302.047** is the 20% darker color. If you saturate the color by 10%, you get **29, 70.541, 295.787**, and if you desaturate by 10%, it is **33, 61.243, 291.493**.

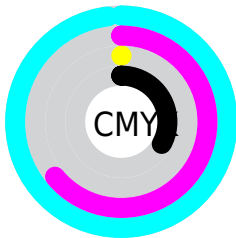
Distribution



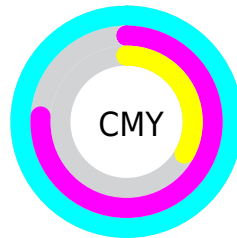
- Red (2%)
- Green (24%)
- Blue (67%)



- Red (2%)
- Yellow (18%)
- Blue (67%)



- Cyan (98%)
- Magenta (64%)
- Yellow (0%)
- Black (33%)





- Cyan (99%)
- Magenta (76%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 68.906, 295.087 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, 68.906, 295.087 by changing the saturation by 10% instead.


 30, 68.906,
295.087


 30, 68.906,
295.087

 100, 68.906,
295.087


 20, 68.906,
295.087


 50, 68.906,
295.087


 10, 68.906,
295.087

 60, 68.906,
295.087

 0, 68.906, 295.087

 70, 68.906,
295.087

 80, 68.906,
295.087

 90, 68.906,
295.087

■ 30, 68.906,
295.087

■ 30, 68.906,
295.087

■ 29, 70.541,
295.787

■ 33, 61.243,
291.493

■ 37, 53.668,
287.888

■ 41, 46.278,
284.506

■ 45, 39.083,
281.457

■ 49, 32.055,
278.778

■ 53, 25.163,
276.462

■ 58, 18.384,
274.477

■ 62, 11.705,

272.781

■ 66, 5.122, 271.345

Harmonies

Complementary

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



30, 68.906, 295.087



52, 60.212, 75.345

Rectangle

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



30, 68.906, 295.087



30, 68.906, 345.087



30, 68.906, 115.087



30, 68.906, 165.087

Sweetspot

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



30, 68.907, 295.089



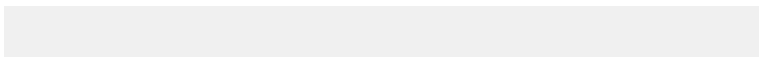
73, 23.790, 274.785



62, 54.673, 158.700



37, 16.505, 275.592



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



30, 68.907, 295.089



39, 87.718, 296.468



21, 96.593, 306.784



33, 3.657, 271.532



25, 62.929, 295.352



2, 6.983, 274.022

Inverse Universe

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



36, 62.783, 15.669



47, 77.727, 17.822



66, 72.095, 111.752



33, 4.112, 353.810



31, 57.141, 16.011



2, 7.189, 356.257

Previews

White Background



This preview shows how the CIE LCh color 30, 68.906, 295.087 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, 68.906, 295.087 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

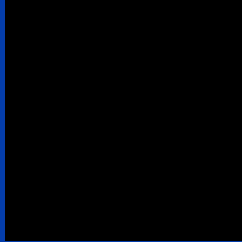
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 68.906, 295.087

Background



This preview shows how black text looks on a background with the CIELCh color 30, 68.906, 295.087.



This preview shows how white text looks on a background with the CIELCh color 30, 68.906, 295.087.

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, 68.772, 295.025

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.838, 271.311



Tritanopia
30, 20.879, 203.684

Trichromacy



Original Color
30, 68.772, 295.025

Protanomaly
30, 56.160, 290.012

Deuteranomaly
30, 45.842, 283.747

Tritanomaly
29, 30.132, 266.358

Monochromacy



Original Color
30, 68.772, 295.025

Achromatopsia
24, 0.004, 296.813

Achromatomaly
25, 26.149, 281.150

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 68.906, 295.087 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(4, 61, 170)` looks like.

```
.text, #text, p{  
    color:rgb(4, 61, 170)  
}
```

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(4, 61, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 61, 170) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 68.906, 295.087 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(4, 61, 170) }
```

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

```
.border{ border-color:rgb(4, 61, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 61, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 61, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 61, 170);  
box-shadow:4px 4px 4px 4px rgb(4, 61, 170)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 68.906, 295.087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 61, 170) }
```

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

```
.background{ background-color: rgb(4, 61,  
170) }
```

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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