

Converting Colors

CIELCh(29, 66.592, 294.779)

Have a look what the booklet for
CIELCh(29, 66.592, 294.779)
contains.

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Color

CIELCh(29, 66.675, 294.830)

Conversions

Conversions Part 1

Format	Color
Hex	033BA4
RGB	3, 59, 164
RGB Percent	1%, 23%, 64%
CMY	0.9871, 0.7684, 0.3566
CMYK	0.98, 0.64, 0.00, 0.36
HSL	219°, 96%, 33%
HSV	219°, 98%, 64%
XYZ	8.3153, 5.8380, 35.8450
YIQ	54.2260, -67.0810, 20.7830

Conversions

Conversions Part 2

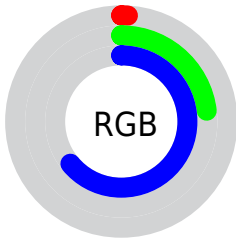
Format	Color
R_{YB}	3, 45, 164
Decimal	211876
CIE _{Lab}	29.00, 28.00, -60.51
CIE _{LCh}	29, 66.675, 294.830
Yxy	5.8380, 0.1663, 0.1168
Android (android.graphics.Color)	4278401956 (0xFF033BA4)
YUV	54.2260, 54.1186, -44.9252
Hunter-Lab	24.1619, 19.1470, -71.0452

Details

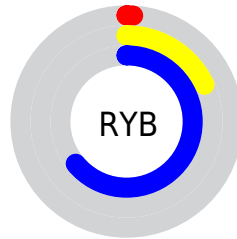
The CIELCh color **29, 66.675, 294.830** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **50, 58.670, 75.090**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 66.502, 294.775**, and **13, 62.825, 302.163** is the 20% darker color. If you saturate the color by 10%, you get **28, 68.167, 295.489**, and if you desaturate by 10%, it is **32, 59.268, 291.235**.

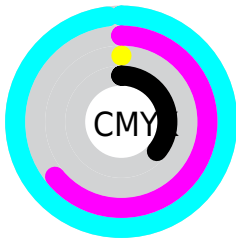
Distribution



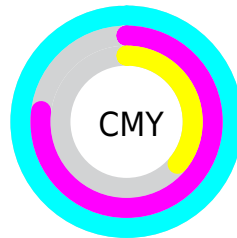
- Red (1%)
- Green (23%)
- Blue (64%)



- Red (1%)
- Yellow (18%)
- Blue (64%)



- Cyan (98%)
- Magenta (64%)
- Yellow (0%)
- Black (36%)





- Cyan (99%)
- Magenta (77%)
- Yellow (36%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 66.675, 294.830 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 29, 66.675, 294.830 by changing the saturation by 10% instead.

 29, 66.675,
294.830


 29, 66.675,
294.830

 100, 66.675,
294.830


 19, 66.675,
294.830


 49, 66.675,
294.830


 9, 66.675, 294.830

 59, 66.675,
294.830

 0, 66.675, 294.830

 69, 66.675,
294.830

 79, 66.675,
294.830

 89, 66.675,
294.830

 99, 66.675,

294.830

■ 29, 66.675,
294.830

■ 29, 66.675,
294.830

■ 28, 68.167,
295.489

■ 32, 59.268,
291.235

■ 36, 51.956,
287.627

■ 39, 44.824,
284.246

■ 43, 37.878,
281.199

■ 47, 31.090,
278.522

■ 52, 24.429,
276.207

■ 56, 17.873,
274.223

■ 60, 11.410,
272.527

■ 64, 5.037, 271.091

Harmonies

Complementary

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



29, 66.675, 294.830



50, 58.670, 75.090

Rectangle

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



29, 66.675, 294.830



29, 66.675, 344.830



29, 66.675, 114.830



29, 66.675, 164.830

Sweetspot

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



29, 66.676, 294.832



71, 23.029, 274.511



60, 53.241, 158.738



35, 15.818, 275.296



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



29, 66.676, 294.832



37, 84.789, 296.200



20, 94.120, 306.798



32, 3.552, 271.259



25, 61.702, 295.097



2, 5.692, 272.629

Inverse Universe

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



35, 61.103, 15.267



45, 75.570, 17.378



63, 70.251, 111.738



32, 4.016, 353.588



30, 56.345, 15.610



1, 6.038, 354.981

Previews

White Background



This preview shows how the CIE LCh color 29, 66.675, 294.830 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 29, 66.675, 294.830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

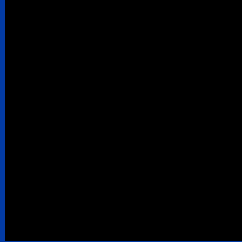
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 66.675, 294.830

Background



This preview shows how black text looks on a background with the CIELCh color 29, 66.675, 294.830.



This preview shows how white text looks on a background with the CIELCh color 29, 66.675, 294.830.

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

29, 66.675, 294.830

Protanopia

29, 47.811, 285.687

Deuteranopia

29, 33.294, 271.418



Tritanopia
29, 20.238, 205.874

Trichromacy



Original Color
29, 66.675, 294.830

Protanomaly
29, 55.154, 290.071

Deuteranomaly
29, 44.785, 283.641

Tritanomaly
28, 29.060, 265.455

Monochromacy



Original Color
29, 66.675, 294.830

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 25.598, 281.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 66.675, 294.830 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, 59, 164)` looks like.

```
.text, #text, p{  
    color:rgb(3, 59, 164)  
}
```

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, 59, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(3, 59, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 66.675, 294.830 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, 59, 164) }
```

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

```
.border{ border-color:rgb(3, 59, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(3, 59, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(3, 59, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(3, 59, 164);  
box-shadow:4px 4px 4px 4px rgb(3, 59, 164)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 66.675, 294.830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(3, 59, 164) }
```

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

```
.background{ background-color: rgb(3, 59,  
164) }
```

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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