

Converting Colors

CIELCh(30, 71.972, 297.651)

Have a look what the booklet for
CIELCh(30, 71.972, 297.651)
contains.

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Color

CIELCh(30, 71.653, 297.510)

Conversions

Conversions Part 1

Format	Color
Hex	1C3AAC
RGB	28, 58, 172
RGB Percent	11%, 23%, 67%
CMY	0.8910, 0.7729, 0.3259
CMYK	0.84, 0.66, 0.00, 0.33
HSL	227°, 72%, 39%
HSV	227°, 84%, 67%
XYZ	9.4181, 6.2359, 39.6841
YIQ	62.0260, -54.4740, 29.0940

Conversions

Conversions Part 2

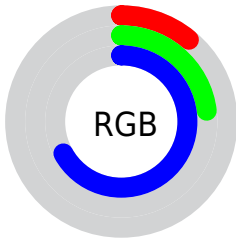
Format	Color
R_{YB}	28, 53, 172
Decimal	1850028
CIE Lab	30.00, 33.10, -63.55
CIE LCh	30, 71.653, 297.510
Yxy	6.2359, 0.1702, 0.1127
Android (android.graphics.Color)	4280040108 (0xFF1C3AAC)
YUV	62.0260, 54.2172, -29.8408
Hunter-Lab	24.9718, 23.6207, -76.7408

Details

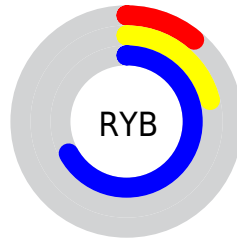
The CIELCh color **30, 71.653, 297.510** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **60, 58.942, 89.571**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 71.417, 297.457**, and **14, 67.821, 303.152** is the 20% darker color. If you saturate the color by 10%, you get **26, 80.692, 300.429**, and if you desaturate by 10%, it is **34, 62.269, 294.511**.

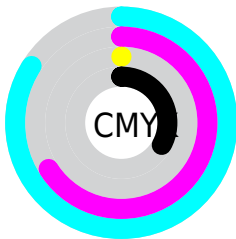
Distribution



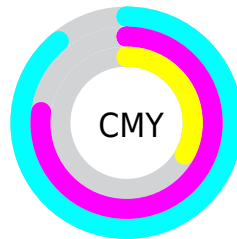
- Red (11%)
- Green (23%)
- Blue (67%)



- Red (11%)
- Yellow (21%)
- Blue (67%)



- Cyan (84%)
- Magenta (66%)
- Yellow (0%)
- Black (33%)





- Cyan (89%)
- Magenta (77%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 71.653, 297.510 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, 71.653, 297.510 by changing the saturation by 10% instead.


 30, 71.653,
297.510


 30, 71.653,
297.510

 100, 71.653,
297.510


 20, 71.653,
297.510


 50, 71.653,
297.510


 10, 71.653,
297.510

 60, 71.653,
297.510

 0, 71.653, 297.510

 70, 71.653,
297.510

 80, 71.653,
297.510

 90, 71.653,
297.510

■ 30, 71.653,
297.510

■ 30, 71.653,
297.510

■ 26, 80.692,
300.429

■ 34, 62.269,
294.511

■ 24, 85.827,
301.997

■ 39, 52.967,
291.644

■ 44, 43.927,
289.035

■ 48, 35.189,
286.733

■ 53, 26.741,
284.740

■ 58, 18.560,
283.029

■ 63, 10.621,
281.566

■ 68, 2.905, 280.342

Harmonies

Complementary

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



30, 71.653, 297.510



60, 58.942, 89.571

Rectangle

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



30, 71.653, 297.510



30, 71.653, 347.510



30, 71.653, 117.510



30, 71.653, 167.510

Sweetspot

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



30, 71.654, 297.511



74, 24.245, 283.289



63, 43.707, 172.190



37, 16.602, 283.854



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, 71.654, 297.511



33, 106.376, 302.472



27, 86.953, 307.893



34, 4.354, 280.980



21, 77.062, 301.700



1, 9.489, 282.123

Inverse Universe

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



38, 60.612, 20.403



47, 84.430, 29.528



65, 70.339, 117.870



34, 3.960, 3.360



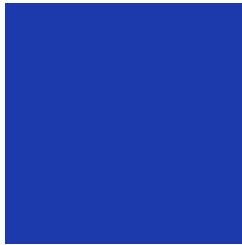
31, 61.830, 27.794



2, 8.063, 5.527

Previews

White Background



This preview shows how the CIELCh color 30, 71.653, 297.510 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, 71.653, 297.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

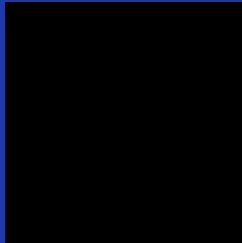
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 71.653, 297.510

Background



This preview shows how black text looks on a background with the CIELCh color 30, 71.653, 297.510.



This preview shows how white text looks on a background with the CIELCh color 30, 71.653, 297.510.

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, 71.653, 297.510

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 33.838, 271.311



Tritanopia
30, 20.606, 205.662

Trichromacy



Original Color
30, 71.653, 297.510

Protanomaly
30, 57.352, 291.220

Deuteranomaly
30, 46.975, 285.462

Tritanomaly
29, 30.353, 268.934

Monochromacy



Original Color
30, 71.653, 297.510

Achromatopsia
26, 0.004, 296.813

Achromatomaly
27, 26.802, 287.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 71.653, 297.510 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(28, 58, 172)` looks like.

```
.text, #text, p{  
    color:rgb(28, 58, 172)  
}
```

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(28, 58, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 58, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 71.653, 297.510 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(28, 58, 172) }
```

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

```
.border{ border-color:rgb(28, 58, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 58, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 58, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 58, 172);  
box-shadow:4px 4px 4px 4px rgb(28, 58,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 71.653, 297.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 58, 172) }
```

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

```
.background{ background-color: rgb(28, 58,  
172) }
```

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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