

Converting Colors

CIELCh(30, 68.781, 315.778)

Have a look what the booklet for
CIELCh(30, 68.781, 315.778)
contains.

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Color

CIELCh(30, 68.957, 315.761)

Conversions

Conversions Part 1

Format	Color
Hex	682393
RGB	104, 35, 147
RGB Percent	41%, 14%, 58%
CMY	0.5926, 0.8632, 0.4239
CMYK	0.29, 0.76, 0.00, 0.42
HSL	277°, 62%, 36%
HSV	277°, 76%, 58%
XYZ	11.5530, 6.2359, 28.1557
YIQ	68.3990, 5.1720, 49.4600

Conversions

Conversions Part 2

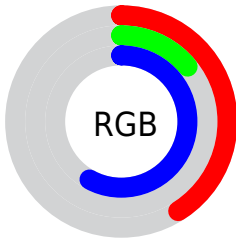
Format	Color
RYB	104, 35, 147
Decimal	6824851
CIELab	30.00, 49.40, -48.11
CIElCh	30, 68.957, 315.761
Yxy	6.2359, 0.2515, 0.1357
Android (android.graphics.Color)	4285014931 (0xFF682393)
YUV	68.3990, 38.7503, 31.2221
Hunter-Lab	24.9718, 38.8813, -49.3692

Details

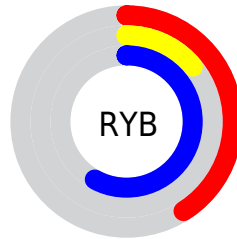
The CIELCh color **30, 68.957, 315.761** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **55, 64.216, 130.030**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 69.090, 315.748**, and **13, 59.858, 313.244** is the 20% darker color. If you saturate the color by 10%, you get **27, 74.997, 315.629**, and if you desaturate by 10%, it is **33, 61.349, 315.651**.

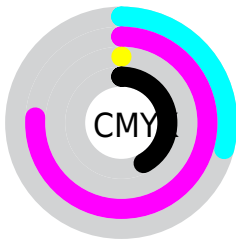
Distribution



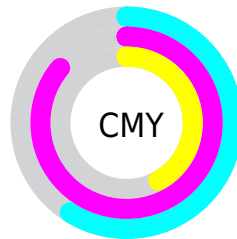
- Red (41%)
- Green (14%)
- Blue (58%)



- Red (41%)
- Yellow (14%)
- Blue (58%)



- Cyan (29%)
- Magenta (76%)
- Yellow (0%)
- Black (42%)





- Cyan (59%)
- Magenta (86%)
- Yellow (42%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 68.957, 315.761 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, 68.957, 315.761 by changing the saturation by 10% instead.


 30, 68.957,
315.761


 30, 68.957,
315.761

 100, 68.957,
315.761


 20, 68.957,
315.761


 50, 68.957,
315.761


 10, 68.957,
315.761

 60, 68.957,
315.761

 0, 68.957, 315.761

 70, 68.957,
315.761

 80, 68.957,
315.761

 90, 68.957,
315.761

■ 30, 68.957,
315.761

■ 30, 68.957,
315.761

■ 27, 74.997,
315.629

■ 33, 61.349,
315.651

■ 25, 79.146,
315.206

■ 37, 52.699,
315.375

■ 25, 80.589,
315.050

■ 41, 43.455,
314.999

■ 45, 33.947,
314.571

■ 49, 24.400,
314.125

■ 54, 14.951,
313.681

■ 58, 5.683, 313.247

■ 63, 3.359, 132.912

■ 67, 12.153,
132.523

Harmonies

Complementary

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



30, 68.957, 315.761



55, 64.216, 130.030

Rectangle

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



30, 68.957, 315.761



30, 68.957, 5.761



30, 68.957, 135.761



30, 68.957, 185.761

Sweetspot

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



30, 68.956, 315.761



65, 26.447, 314.001



34, 42.514, 282.706



32, 18.506, 314.149



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



30, 68.956, 315.761



35, 94.660, 315.371



36, 64.347, 331.458



29, 5.186, 313.376



23, 76.848, 315.112



1, 4.489, 313.016

Inverse Universe

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



34, 49.121, 2.622



41, 66.288, 8.978



53, 66.720, 139.838



29, 3.779, 351.178



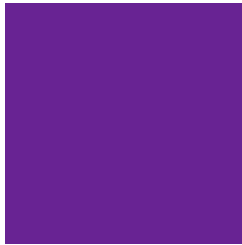
28, 53.651, 11.824



1, 3.258, 350.412

Previews

White Background



This preview shows how the CIELCh color 30, 68.957, 315.761 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, 68.957, 315.761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

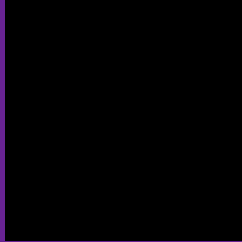
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 68.957, 315.761

Background



This preview shows how black text looks on a background with the CIELCh color 30, 68.957, 315.761.



This preview shows how white text looks on a background with the CIELCh color 30, 68.957, 315.761.

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, 68.957, 315.761

Protanopia

30, 49.372, 285.761

Deuteranopia

30, 36.009, 273.969



Tritanopia
30, 12.260, 6.700

Trichromacy



Original Color
30, 68.957, 315.761

Protanomaly
28, 56.990, 295.842

Deuteranomaly
27, 48.367, 292.930

Tritanomaly
29, 32.185, 325.339

Monochromacy



Original Color
30, 68.957, 315.761

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 28.184, 314.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 68.957, 315.761 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(104, 35, 147)` looks like.

```
.text, #text, p{  
    color:rgb(104, 35, 147)  
}
```

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(104, 35, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 35, 147) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 68.957, 315.761 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(104, 35, 147) }
```

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

```
.border{ border-color:rgb(104, 35, 147) }
```

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

Here you see how a box with a 4 pixel rgb(104, 35, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 35, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 35, 147);  
box-shadow:4px 4px 4px 4px rgb(104, 35,  
147) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 68.957, 315.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 35, 147) }
```

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

```
.background{ background-color: rgb(104, 35,  
147) }
```

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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