

Converting Colors

CIELCh(30, 86.413, 314.417)

Have a look what the booklet for
CIELCh(30, 86.413, 314.417)
contains.

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Color

CIELCh(30, 86.266, 314.483)

Conversions

Conversions Part 1

Format	Color
Hex	6910A9
RGB	105, 16, 169
RGB Percent	41%, 6%, 66%
CMY	0.5883, 0.9374, 0.3373
CMYK	0.38, 0.91, 0.00, 0.34
HSL	275°, 83%, 36%
HSV	275°, 91%, 66%
XYZ	13.1683, 6.2359, 38.0374
YIQ	60.0530, 3.9310, 66.4510

Conversions

Conversions Part 2

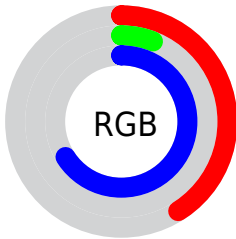
Format	Color
R_{YB}	105, 16, 169
Decimal	6885545
CIE _{Lab}	30.00, 60.45, -61.55
CIE _{LCh}	30, 86.266, 314.483
Yxy	6.2359, 0.2292, 0.1086
Android (android.graphics.Color)	4285075625 (0xFF6910A9)
YUV	60.0530, 53.7109, 39.4185
Hunter-Lab	24.9718, 50.4272, -72.8311

Details

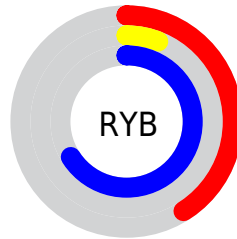
The CIELCh color **30, 86.266, 314.483** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **62, 78.776, 129.612**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 85.952, 314.450**, and **15, 70.932, 310.248** is the 20% darker color. If you saturate the color by 10%, you get **28, 90.041, 313.988**, and if you desaturate by 10%, it is **33, 80.432, 314.758**.

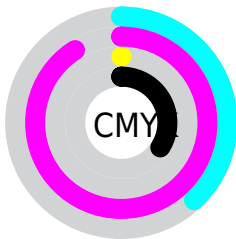
Distribution



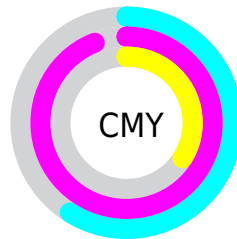
- Red (41%)
- Green (6%)
- Blue (66%)



- Red (41%)
- Yellow (6%)
- Blue (66%)



- Cyan (38%)
- Magenta (91%)
- Yellow (0%)
- Black (34%)




- Cyan (59%)
- Magenta (94%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 30, 86.266, 314.483 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, 86.266, 314.483 by changing the saturation by 10% instead.

 30, 86.266,
314.483


 30, 86.266,
314.483

 100, 86.266,
314.483


 20, 86.266,
314.483


 50, 86.266,
314.483

 10, 86.266,
314.483

 60, 86.266,
314.483

 0, 86.266, 314.483

 70, 86.266,
314.483

 80, 86.266,
314.483

 90, 86.266,
314.483

■ 30, 86.266,
314.483

■ 30, 86.266,
314.483

■ 28, 90.041,
313.988

■ 33, 80.432,
314.758

■ 36, 72.541,
314.730

■ 40, 63.217,
314.492

■ 44, 53.040,
314.123

■ 49, 42.455,
313.683

■ 54, 31.762,
313.217

■ 59, 21.150,
312.750

■ 64, 10.727,

312.299

■ 69, 0.556, 311.665

Harmonies

Complementary

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



30, 86.266, 314.483



62, 78.776, 129.612

Rectangle

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



30, 86.266, 314.483



30, 86.266, 4.483



30, 86.266, 134.483



30, 86.266, 184.483

Sweetspot

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



30, 86.266, 314.483



71, 34.608, 313.073



36, 53.961, 285.861



35, 23.354, 313.225



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



30, 86.266, 314.483



37, 109.526, 313.791



40, 78.940, 330.748



33, 5.728, 312.243



24, 81.565, 314.109



1, 10.160, 309.233

Inverse Universe

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



37, 60.146, 5.323



47, 75.541, 10.530



60, 83.727, 137.327



33, 4.297, 349.067



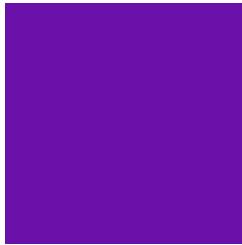
31, 56.297, 8.917



2, 7.459, 351.936

Previews

White Background



This preview shows how the CIELCh color 30, 86.266, 314.483 looks on a white background.

Color Contrast Check

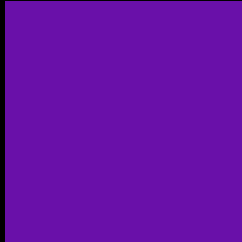
Large Text (above 18pt) WCAG AA ✓ Pass

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, 86.266, 314.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

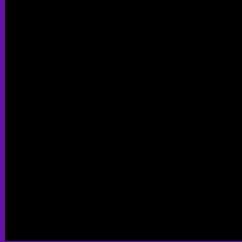
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 86.266, 314.483

Background



This preview shows how black text looks on a background with the CIELCh color 30, 86.266, 314.483.



This preview shows how white text looks on a background with the CIELCh color 30, 86.266, 314.483.

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, 86.266, 314.483

Protanopia

31, 49.304, 285.461

Deuteranopia

30, 34.914, 272.285



Tritanopia
30, 8.674, 359.477

Trichromacy



Original Color
30, 86.266, 314.483

Protanomaly
27, 67.018, 299.370

Deuteranomaly
26, 57.357, 296.986

Tritanomaly
28, 40.458, 319.303

Monochromacy



Original Color
30, 86.266, 314.483

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 38.174, 313.912

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 86.266, 314.483 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(105, 16, 169)` looks like.

```
.text, #text, p{  
    color:rgb(105, 16, 169)  
}
```

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(105, 16, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 16, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 86.266, 314.483 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(105, 16, 169) }
```

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

```
.border{ border-color:rgb(105, 16, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 16, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 16, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 16, 169);  
box-shadow:4px 4px 4px 4px rgb(105, 16,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 86.266, 314.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 16, 169) }
```

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

```
.background{ background-color: rgb(105, 16,  
169) }
```

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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