

Converting Colors

CIELCh(31, 85.062, 317.685)

Have a look what the booklet for
CIELCh(31, 85.062, 317.685)
contains.

CIELCh(31, 85.241, 317.563)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(31, 85.241, 317.563)

Conversions

Conversions Part 1

Format	Color
Hex	7506A5
RGB	117, 6, 165
RGB Percent	46%, 2%, 65%
CMY	0.5406, 0.9752, 0.3524
CMYK	0.29, 0.96, 0.00, 0.35
HSL	282°, 93%, 34%
HSV	282°, 96%, 65%
XYZ	14.2299, 6.6515, 36.2010
YIQ	57.3150, 15.1170, 72.9810

Conversions

Conversions Part 2

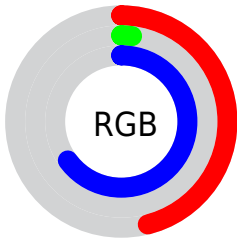
Format	Color
R_{YB}	117, 6, 165
Decimal	7669413
CIE _{Lab}	31.00, 62.91, -57.52
CIE _{LCh}	31, 85.241, 317.563
Yxy	6.6515, 0.2493, 0.1165
Android (android.graphics.Color)	4285859493 (0xFF7506A5)
YUV	57.3150, 53.0887, 52.3437
Hunter-Lab	25.7905, 53.3538, -65.1695

Details

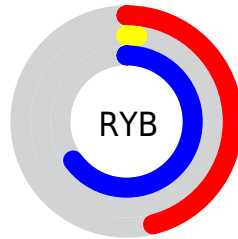
The CIELCh color **31, 85.241, 317.563** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **60, 81.919, 132.820**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 85.107, 317.548**, and **16, 67.213, 313.248** is the 20% darker color. If you saturate the color by 10%, you get **30, 86.501, 317.375**, and if you desaturate by 10%, it is **33, 81.380, 318.013**.

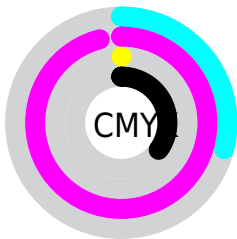
Distribution



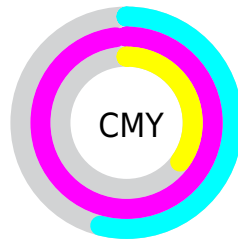
- Red (46%)
- Green (2%)
- Blue (65%)



- Red (46%)
- Yellow (2%)
- Blue (65%)



- Cyan (29%)
- Magenta (96%)
- Yellow (0%)
- Black (35%)





- Cyan (54%)
- Magenta (98%)
- Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 85.241, 317.563 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 31, 85.241, 317.563 by changing the saturation by 10% instead.


 31, 85.241,
317.563


 31, 85.241,
317.563

 100, 85.241,
317.563


 21, 85.241,
317.563

 51, 85.241,
317.563


 11, 85.241,
317.563


 61, 85.241,
317.563

 1, 85.241, 317.563

 71, 85.241,
317.563

 0, 85.241, 317.563

 81, 85.241,
317.563

 91, 85.241,
317.563

■ 31, 85.241,
317.563

■ 31, 85.241,
317.563

■ 30, 86.501,
317.375

■ 33, 81.380,
318.013

■ 35, 75.354,
318.188

■ 39, 67.481,
318.133

■ 42, 58.287,
317.912

■ 46, 48.271,
317.581

■ 51, 37.828,
317.186

■ 55, 27.240,
316.760

■ 60, 16.695,

316.327

■ 65, 6.308, 315.891

Harmonies

Complementary

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



31, 85.241, 317.563



60, 81.919, 132.820

Rectangle

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



31, 85.241, 317.563



31, 85.241, 7.563



31, 85.241, 137.563



31, 85.241, 187.563

Sweetspot

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



31, 85.240, 317.563



69, 37.376, 316.905



29, 68.925, 295.991



34, 25.650, 317.077



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



31, 85.240, 317.563



40, 105.085, 317.202



38, 72.026, 336.718



32, 5.744, 316.027



26, 78.721, 317.475



1, 8.727, 313.830

Inverse Universe

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



35, 61.754, 18.484



45, 77.050, 21.530



59, 80.261, 138.846



32, 3.922, 356.609



30, 57.279, 19.719



1, 5.908, 357.803

Previews

White Background



This preview shows how the CIELCh color 31, 85.241, 317.563 looks on a white background.

Color Contrast Check

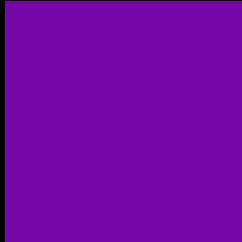
Large Text (above 18pt) WCAG AA ✓ Pass

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 31, 85.241, 317.563 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

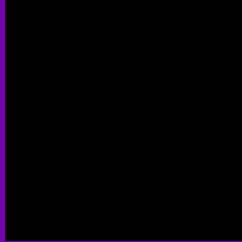
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 85.241, 317.563

Background



This preview shows how black text looks on a background with the CIELCh color 31, 85.241, 317.563.



This preview shows how white text looks on a background with the CIELCh color 31, 85.241, 317.563.

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

31, 85.241, 317.563

Protanopia

32, 50.853, 285.540

Deuteranopia

32, 37.065, 273.679



Tritanopia
32, 16.775, 11.746

Trichromacy



Original Color
31, 85.241, 317.563

Protanomaly
27, 68.689, 300.437

Deuteranomaly
27, 60.393, 298.875

Tritanomaly
29, 43.506, 328.232

Monochromacy



Original Color
31, 85.241, 317.563

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 40.112, 318.207

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 85.241, 317.563 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(117, 6, 165)` looks like.

```
.text, #text, p{  
    color:rgb(117, 6, 165)  
}
```

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(117, 6, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 6, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 85.241, 317.563 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(117, 6, 165) }
```

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

```
.border{ border-color:rgb(117, 6, 165) }
```

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

Here you see how a box with a 4 pixel rgb(117, 6, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 6, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 6, 165);  
box-shadow:4px 4px 4px 4px rgb(117, 6,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 31, 85.241, 317.563 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 6, 165) }
```

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

```
.background{ background-color: rgb(117, 6,  
165) }
```

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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