

Converting Colors

CIELCh(30, 47.655, 306.560)

Have a look what the booklet for
CIELCh(30, 47.655, 306.560)
contains.

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Color

CIELCh(30, 47.513, 306.314)

Conversions

Conversions Part 1

Format	Color
Hex	503983
RGB	80, 57, 131
RGB Percent	31%, 22%, 51%
CMY	0.6871, 0.7772, 0.4871
CMYK	0.39, 0.57, 0.00, 0.49
HSL	259°, 39%, 37%
HSV	259°, 57%, 51%
XYZ	8.8254, 6.2359, 22.1331
YIQ	72.3130, -10.0460, 27.8900

Conversions

Conversions Part 2

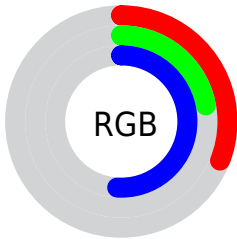
Format	Color
R_{YB}	80, 57, 131
Decimal	5257603
CIE _{Lab}	30.00, 28.14, -38.29
CIE _{LCh}	30, 47.513, 306.314
Yxy	6.2359, 0.2373, 0.1677
Android (android.graphics.Color)	4283447683 (0xFF503983)
YUV	72.3130, 28.9327, 6.7415
Hunter-Lab	24.9718, 19.3841, -35.0699

Details

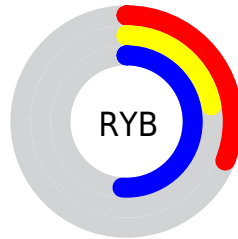
The CIELCh color $[30, 47.513, 306.314]$ is a dark color, and the websafe version is hex $\#333366$. A complement of this color would be $[51, 42.092, 119.247]$, and the grayscale version is $[31, 0.005, 296.813]$.

A 20% lighter version of the original color is $[50, 47.639, 306.110]$, and $[10, 47.811, 306.321]$ is the 20% darker color. If you saturate the color by 10%, you get $[26, 56.215, 307.165]$, and if you desaturate by 10%, it is $[34, 38.682, 305.449]$.

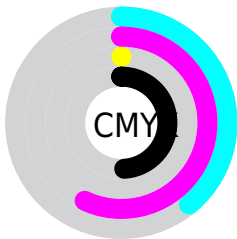
Distribution



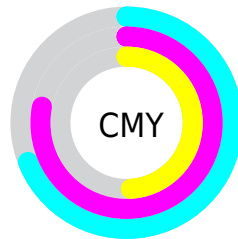
- Red (31%)
- Green (22%)
- Blue (51%)



- Red (31%)
- Yellow (22%)
- Blue (51%)



- Cyan (39%)
- Magenta (57%)
- Yellow (0%)
- Black (49%)





- Cyan (69%)
- Magenta (78%)
- Yellow (49%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 47.513, 306.314 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, 47.513, 306.314 by changing the saturation by 10% instead.


 30, 47.513,
306.314


 30, 47.513,
306.314


 100, 47.513,
306.314


 20, 47.513,
306.314


 50, 47.513,
306.314


 10, 47.513,
306.314

 60, 47.513,
306.314

 0, 47.513, 306.314

 70, 47.513,
306.314

 80, 47.513,
306.314

 90, 47.513,
306.314

■ 30, 47.513,
306.314

■ 30, 47.513,
306.314

■ 26, 56.215,
307.165

■ 34, 38.682,
305.449

■ 22, 64.392,
307.910

■ 39, 29.944,
304.621

■ 19, 71.421,
308.416

■ 43, 21.410,
303.858

■ 17, 76.819,
308.610

■ 47, 13.129,
303.170

■ 16, 78.695,
308.739

■ 52, 5.118, 302.554

■ 56, 2.624, 122.039

■ 61, 10.105,
121.558

■ 65, 17.337,
121.148

■ 69, 24.334,
120.792

Harmonies

Complementary

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



30, 47.513, 306.314



51, 42.092, 119.247

Rectangle

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



30, 47.513, 306.314



30, 47.513, 356.314



30, 47.513, 126.314



30, 47.513, 176.314

Sweetspot

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



30, 47.512, 306.314



61, 16.788, 303.224



43, 20.465, 239.084



31, 11.349, 303.334



86, 0.010, 296.813



37, 0.005, 296.813

Same Dimension

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



30, 47.512, 306.314



34, 71.445, 307.406



35, 49.082, 321.063



26, 4.466, 302.706



16, 78.372, 308.745



0, 1.054, 302.199

Inverse Universe

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



36, 41.072, 339.134



43, 58.680, 340.519



49, 48.125, 135.594



26, 4.240, 335.288



28, 55.952, 345.009



0, 1.008, 334.716

Previews

White Background



This preview shows how the CIELCh color 30, 47.513, 306.314 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 30, 47.513, 306.314 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

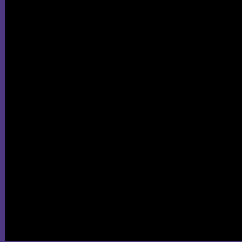
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 47.513, 306.314

Background



This preview shows how black text looks on a background with the CIELCh color 30, 47.513, 306.314.



This preview shows how white text looks on a background with the CIELCh color 30, 47.513, 306.314.

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, 47.513, 306.314

Protanopia

30, 48.070, 286.716

Deuteranopia

30, 36.354, 276.161



Tritanopia
30, 4.019, 272.542

Trichromacy



Original Color
30, 47.513, 306.314

Protanomaly
29, 47.932, 291.610

Deuteranomaly
29, 40.012, 286.472

Tritanomaly
30, 20.098, 300.245

Monochromacy



Original Color
30, 47.513, 306.314

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 17.761, 304.733

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 47.513, 306.314 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(80, 57, 131)` looks like.

```
.text, #text, p{  
    color:rgb(80, 57, 131)  
}
```

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(80, 57, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 57, 131) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 47.513, 306.314 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(80, 57, 131) }
```

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

```
.border{ border-color:rgb(80, 57, 131) }
```

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

Here you see how a box with a 4 pixel rgb(80, 57, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 57, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 57, 131);  
box-shadow:4px 4px 4px 4px rgb(80, 57,  
131) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 47.513, 306.314 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 57, 131) }
```

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

```
.background{ background-color: rgb(80, 57,  
131) }
```

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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