

Converting Colors

CIELCh(30, 64.941, 306.373)

Have a look what the booklet for
CIELCh(30, 64.941, 306.373)
contains.

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Color

CIELCh(30, 64.746, 306.369)

Conversions

Conversions Part 1

Format	Color
Hex	4E3299
RGB	78, 50, 153
RGB Percent	31%, 20%, 60%
CMY	0.6932, 0.8031, 0.3991
CMYK	0.49, 0.67, 0.00, 0.40
HSL	256°, 51%, 40%
HSV	256°, 67%, 60%
XYZ	10.0798, 6.2359, 30.9101
YIQ	70.1140, -16.3750, 37.9690

Conversions

Conversions Part 2

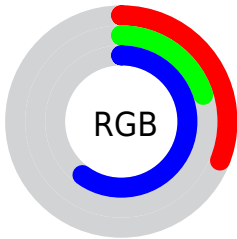
Format	Color
R _Y B	78, 50, 153
Decimal	5124761
CIE Lab	30.00, 38.39, -52.13
CIE LCh	30, 64.746, 306.369
Yxy	6.2359, 0.2134, 0.1320
Android (android.graphics.Color)	4283314841 (0xFF4E3299)
YUV	70.1140, 40.8628, 6.9160
Hunter-Lab	24.9718, 28.3507, -55.9089

Details

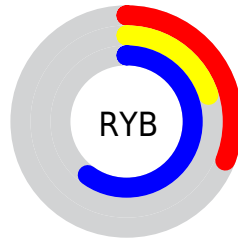
The CIELCh color **30, 64.746, 306.369** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **59, 55.002, 117.249**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **50, 64.774, 306.381**, and **10, 64.649, 306.346** is the 20% darker color. If you saturate the color by 10%, you get **26, 74.046, 307.230**, and if you desaturate by 10%, it is **35, 54.784, 305.394**.

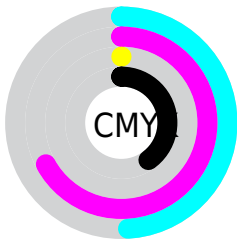
Distribution



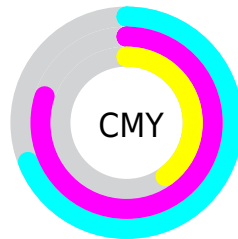
- Red (31%)
- Green (20%)
- Blue (60%)



- Red (31%)
- Yellow (20%)
- Blue (60%)



- Cyan (49%)
- Magenta (67%)
- Yellow (0%)
- Black (40%)





- Cyan (69%)
- Magenta (80%)
- Yellow (40%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 64.746, 306.369 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, 64.746, 306.369 by changing the saturation by 10% instead.


 30, 64.746,
306.369


 30, 64.746,
306.369

 100, 64.746,
306.369


 20, 64.746,
306.369


 50, 64.746,
306.369


 10, 64.746,
306.369

 60, 64.746,
306.369

 0, 64.746, 306.369

 70, 64.746,
306.369

 80, 64.746,
306.369

 90, 64.746,
306.369

■ 30, 64.746,
306.369

■ 30, 64.746,
306.369

■ 26, 74.046,
307.230

■ 35, 54.784,
305.394

■ 22, 81.878,
307.815

■ 39, 44.670,
304.408

■ 20, 87.543,
308.019

■ 44, 34.678,
303.474

■ 19, 89.044,
308.107

■ 49, 24.939,
302.620

■ 55, 15.509,
301.856

■ 60, 6.401, 301.181

■ 65, 2.388, 120.610

■ 70, 10.870,
120.089

■ 75, 19.061,
119.645

Harmonies

Complementary

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



30, 64.746, 306.369



59, 55.002, 117.249

Rectangle

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



30, 64.746, 306.369



30, 64.746, 356.369



30, 64.746, 126.369



30, 64.746, 176.369

Sweetspot

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



30, 64.746, 306.370



68, 22.379, 302.088



49, 25.874, 236.678



34, 15.297, 302.282



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



30, 64.746, 306.370



32, 95.201, 307.589



37, 64.553, 320.268



30, 5.008, 301.308



17, 83.395, 308.175



0, 5.330, 300.577

Inverse Universe

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



39, 54.733, 338.404



47, 74.684, 340.125



57, 62.887, 134.139



30, 4.910, 333.749



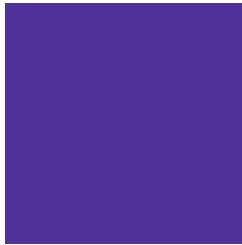
31, 60.496, 342.467



1, 5.224, 333.660

Previews

White Background



This preview shows how the CIE LCh color 30, 64.746, 306.369 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, 64.746, 306.369 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

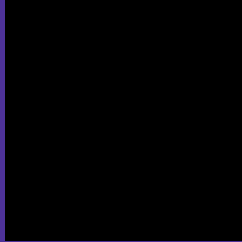
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 64.746, 306.369

Background



This preview shows how black text looks on a background with the CIELCh color 30, 64.746, 306.369.



This preview shows how white text looks on a background with the CIELCh color 30, 64.746, 306.369.

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

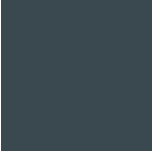
30, 64.746, 306.369

Protanopia

30, 49.441, 286.061

Deuteranopia

30, 34.917, 272.681



Tritanopia
30, 7.368, 230.216

Trichromacy



Original Color
30, 64.746, 306.369

Protanomaly
29, 54.931, 292.504

Deuteranomaly
29, 45.092, 287.681

Tritanomaly
29, 26.370, 294.921

Monochromacy



Original Color
30, 64.746, 306.369

Achromatopsia
30, 0.005, 296.813

Achromatomaly
29, 24.200, 303.250

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 64.746, 306.369 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(78, 50, 153)` looks like.

```
.text, #text, p{  
    color:rgb(78, 50, 153)  
}
```

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(78, 50, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 50, 153) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 64.746, 306.369 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(78, 50, 153) }
```

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

```
.border{ border-color:rgb(78, 50, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 50, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 50, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 50, 153);  
box-shadow:4px 4px 4px 4px rgb(78, 50,  
153) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 64.746, 306.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 50, 153) }
```

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

```
.background{ background-color: rgb(78, 50,  
153) }
```

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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