

Converting Colors

CIELCh(30, 64.513, 299.139)

Have a look what the booklet for
CIELCh(30, 64.513, 299.139)
contains.

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Color

CIELCh(30, 64.270, 298.993)

Conversions

Conversions Part 1

Format	Color
Hex	333AA0
RGB	51, 58, 160
RGB Percent	20%, 23%, 63%
CMY	0.8010, 0.7732, 0.3734
CMYK	0.68, 0.64, 0.00, 0.37
HSL	236°, 52%, 41%
HSV	236°, 68%, 63%
XYZ	9.1826, 6.2359, 33.8795
YIQ	67.5350, -36.9140, 30.2380

Conversions

Conversions Part 2

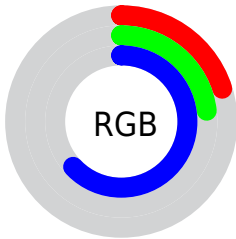
Format	Color
R_{YB}	51, 58, 160
Decimal	3357344
CIE Lab	30.00, 31.15, -56.22
CIE LCh	30, 64.270, 298.993
Yxy	6.2359, 0.1863, 0.1265
Android (android.graphics.Color)	4281547424 (0xFF333AA0)
YUV	67.5350, 45.5852, -14.5012
Hunter-Lab	24.9718, 21.9372, -62.9592

Details

The CIELCh color **30, 64.270, 298.993** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **62, 53.121, 100.758**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 64.654, 299.098**, and **12, 62.365, 302.727** is the 20% darker color. If you saturate the color by 10%, you get **26, 74.407, 301.384**, and if you desaturate by 10%, it is **35, 53.937, 296.645**.

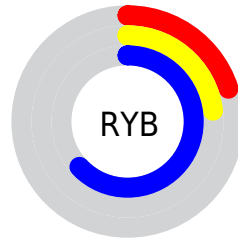
Distribution



Red (20%)

Green (23%)

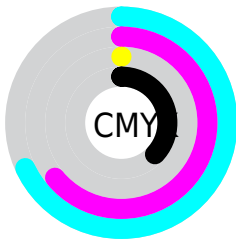
Blue (63%)



Red (20%)

Yellow (23%)

Blue (63%)

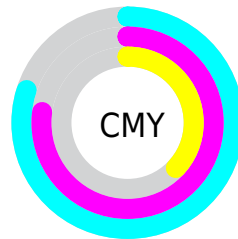


Cyan (68%)

Magenta (64%)

Yellow (0%)

Black (37%)



Cyan (80%)


Magenta (77%)


Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 64.270, 298.993 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, 64.270, 298.993 by changing the saturation by 10% instead.


 30, 64.270,
298.993


 30, 64.270,
298.993

 100, 64.270,
298.993


 20, 64.270,
298.993


 50, 64.270,
298.993


 10, 64.270,
298.993

 60, 64.270,
298.993

 0, 64.270, 298.993

 70, 64.270,
298.993

 80, 64.270,
298.993

 90, 64.270,
298.993

■ 30, 64.270,
298.993

■ 30, 64.270,
298.993

■ 26, 74.407,
301.384

■ 35, 53.937,
296.645

■ 22, 83.503,
303.560

■ 40, 43.812,
294.485

■ 19, 90.336,
305.175

■ 45, 34.039,
292.577

■ 19, 91.239,
305.360

■ 51, 24.647,
290.926

■ 56, 15.620,
289.514

■ 61, 6.933, 288.314

■ 67, 1.440, 107.219

■ 72, 9.523, 106.382

■ 77, 17.335,
105.628

Harmonies

Complementary

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



30, 64.270, 298.993



62, 53.121, 100.758

Rectangle

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



30, 64.270, 298.993



30, 64.270, 348.993



30, 64.270, 118.993



30, 64.270, 168.993

Sweetspot

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



30, 64.270, 298.994



70, 21.188, 289.796



60, 32.335, 189.215



35, 14.644, 290.160



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



30, 64.270, 298.994



32, 96.091, 302.580



33, 67.582, 310.525



31, 4.722, 288.424



16, 83.639, 305.228



1, 6.107, 287.592

Inverse Universe

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



38, 50.136, 25.028



45, 74.117, 30.692



61, 59.828, 123.883



31, 3.543, 14.642



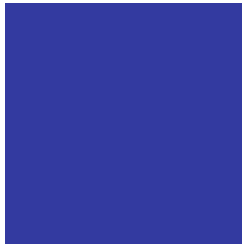
29, 64.912, 36.523



1, 4.496, 14.292

Previews

White Background



This preview shows how the CIE LCh color 30, 64.270, 298.993 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, 64.270, 298.993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

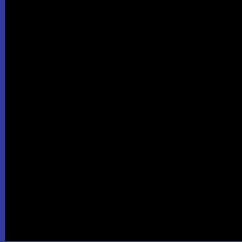
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 30, 64.270, 298.993

Background



This preview shows how black text looks on a background with the CIELCh color 30, 64.270, 298.993.



This preview shows how white text looks on a background with the CIELCh color 30, 64.270, 298.993.

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, 64.270, 298.993

Protanopia

30, 48.853, 285.737

Deuteranopia

30, 34.921, 273.078



Tritanopia
30, 20.537, 207.574

Trichromacy



Original Color
30, 64.270, 298.993

Protanomaly
29, 54.902, 290.892

Deuteranomaly
29, 45.152, 285.537

Tritanomaly
29, 28.479, 267.868

Monochromacy



Original Color
30, 64.270, 298.993

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 23.903, 292.079

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 64.270, 298.993 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(51, 58, 160)` looks like.

```
.text, #text, p{  
    color:rgb(51, 58, 160)  
}
```

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(51, 58, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 58, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 64.270, 298.993 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(51, 58, 160) }
```

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

```
.border{ border-color:rgb(51, 58, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 58, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 58, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 58, 160);  
box-shadow:4px 4px 4px 4px rgb(51, 58,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 30, 64.270, 298.993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 58, 160) }
```

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

```
.background{ background-color: rgb(51, 58,  
160) }
```

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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