

Converting Colors

CIELCh(50, 29.273, 304.036)

Have a look what the booklet for
CIELCh(50, 29.273, 304.036)
contains.

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Color

CIELCh(50, 29.315, 304.049)

Conversions

Conversions Part 1

Format	Color
Hex	7E6FA0
RGB	126, 111, 160
RGB Percent	49%, 44%, 63%
CMY	0.5050, 0.5638, 0.3716
CMYK	0.21, 0.31, 0.00, 0.37
HSL	258°, 21%, 53%
HSV	258°, 31%, 63%
XYZ	20.7147, 18.4187, 35.8331
YIQ	121.0710, -6.7890, 18.4190

Conversions

Conversions Part 2

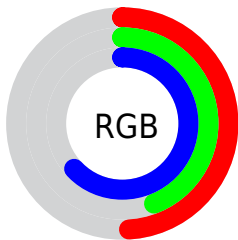
Format	Color
R_{YB}	126, 111, 160
Decimal	8286112
CIE _{Lab}	50.00, 16.41, -24.29
CIE _{LCh}	50, 29.315, 304.049
Yxy	18.4187, 0.2763, 0.2457
Android (android.graphics.Color)	4286476192 (0xFF7E6FA0)
YUV	121.0710, 19.1920, 4.3227
Hunter-Lab	42.9170, 11.0518, -19.4617

Details

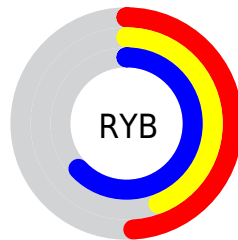
The CIELCh color `50, 29.315, 304.049` is a dark color, and the websafe version is hex `666699`. A complement of this color would be `64, 27.615, 120.310`, and the grayscale version is `51, 0.007, 296.813`.

A 20% lighter version of the original color is `70, 29.161, 303.654`, and `30, 29.302, 304.277` is the 20% darker color. If you saturate the color by 10%, you get `45, 39.513, 304.867`, and if you desaturate by 10%, it is `55, 19.401, 303.306`.

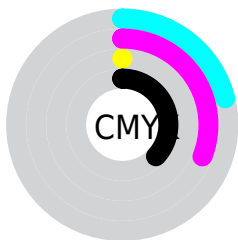
Distribution



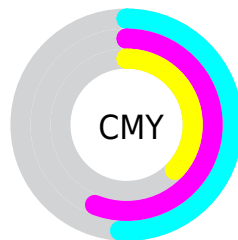
- Red (49%)
- Green (44%)
- Blue (63%)



- Red (49%)
- Yellow (44%)
- Blue (63%)



- Cyan (21%)
- Magenta (31%)
- Yellow (0%)
- Black (37%)





- Cyan (51%)
- Magenta (56%)
- Yellow (37%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 50, 29.315, 304.049 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 50, 29.315, 304.049 by changing the saturation by 10% instead.


 50, 29.315,
304.049


 50, 29.315,
304.049


 100, 29.315,
304.049


 40, 29.315,
304.049


 70, 29.315,
304.049


 30, 29.315,
304.049


 80, 29.315,
304.049


 20, 29.315,
304.049

 90, 29.315,
304.049

 10, 29.315,
304.049

 0, 29.315, 304.049

 50, 29.315,
304.049

 50, 29.315,
304.049

45, 39.513,
304.867

55, 19.401,
303.306

40, 49.911,
305.744

60, 9.808, 302.643

35, 60.314,
306.638

66, 0.543, 301.986

71, 8.404, 121.562

30, 70.356,
307.477

76, 17.046,
121.118

26, 79.407,
308.139

81, 25.398,
120.734

23, 86.572,
308.460

86, 33.479,
120.404

21, 91.535,
308.507

91, 41.303,
120.119

96, 48.649,
119.747

Harmonies

Complementary

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



50, 29.315, 304.049



64, 27.615, 120.310

Rectangle

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



50, 29.315, 304.049



50, 29.315, 354.049



50, 29.315, 124.049



50, 29.315, 174.049

Sweetspot

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



50, 29.314, 304.049



78, 10.331, 302.555



58, 14.280, 234.534



40, 7.180, 302.641



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



50, 29.314, 304.049



60, 44.542, 304.624



52, 31.847, 320.137



31, 5.169, 302.559



18, 84.028, 308.599



1, 6.651, 301.438

Inverse Universe

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



53, 27.153, 336.722



65, 40.663, 337.302



62, 31.418, 137.229



31, 4.925, 335.122



31, 59.945, 344.881



1, 6.235, 336.008

Previews

White Background



This preview shows how the CIELCh color 50, 29.315, 304.049 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 × Fail

Black Background



This preview shows how the CIELCh color 50, 29.315, 304.049 looks on a black 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 × Fail

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

CIELCh 50, 29.315, 304.049

Background



This preview shows how black text looks on a background with the CIELCh color 50, 29.315, 304.049.



This preview shows how white text looks on a background with the CIELCh color 50, 29.315, 304.049.

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

50, 29.315, 304.049

Protanopia

50, 28.216, 285.706

Deuteranopia

50, 24.674, 286.202



Tritanopia
50, 5.341, 299.301

Trichromacy



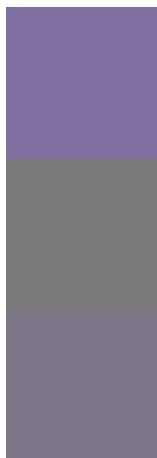
Original Color
50, 29.315, 304.049

Protanomaly
50, 28.106, 292.343

Deuteranomaly
50, 25.783, 293.433

Tritanomaly
50, 13.709, 301.390

Monochromacy



Original Color
50, 29.315, 304.049

Achromatopsia
51, 0.007, 296.813

Achromatomaly
50, 10.823, 303.783

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 50, 29.315, 304.049 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(126, 111, 160)` looks like.

```
.text, #text, p{  
    color:rgb(126, 111, 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(126, 111, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 111, 160) }
```

Border

The CSS property to change the border of an element to CIELCh 50, 29.315, 304.049 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(126, 111, 160) }
```

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

```
.border{ border-color:rgb(126, 111, 160) }
```

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

Here you see how a box with a 4 pixel rgb(126, 111, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 111, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 111, 160);  
box-shadow:4px 4px 4px 4px rgb(126, 111,  
160) }
```

Background

The CSS property to change the background color of an element to CIELCh 50, 29.315, 304.049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 111, 160) }
```

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

```
.background{ background-color: rgb(126,  
111, 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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