

Converting Colors

CIELCh(48, 30.113, 311.140)

Have a look what the booklet for
CIELCh(48, 30.113, 311.140)
contains.

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Color

CIELCh(48, 29.832, 311.259)

Conversions

Conversions Part 1

Format	Color
Hex	816898
RGB	129, 104, 152
RGB Percent	51%, 41%, 60%
CMY	0.4946, 0.5926, 0.4044
CMYK	0.15, 0.32, 0.00, 0.40
HSL	271°, 19%, 50%
HSV	271°, 32%, 60%
XYZ	19.6271, 16.7945, 31.8549
YIQ	116.9470, -0.5080, 20.2280

Conversions

Conversions Part 2

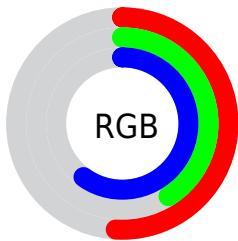
Format	Color
R_{YB}	129, 104, 152
Decimal	8480920
CIE _{Lab}	48.00, 19.67, -22.43
CIE _{LCh}	48, 29.832, 311.259
Yxy	16.7945, 0.2875, 0.2460
Android (android.graphics.Color)	4286671000 (0xFF816898)
YUV	116.9470, 17.2811, 10.5705
Hunter-Lab	40.9810, 13.7724, -17.3999

Details

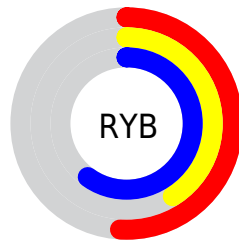
The CIELCh color $48, 29.832, 311.259$ is a dark color, and the websafe version is hex 666699 . A complement of this color would be $60, 28.629, 128.369$, and the grayscale version is $49, 0.007, 296.813$.

A 20% lighter version of the original color is $68, 29.798, 311.230$, and $28, 29.618, 311.115$ is the 20% darker color. If you saturate the color by 10%, you get $43, 39.617, 311.770$, and if you desaturate by 10%, it is $53, 20.157, 310.758$.

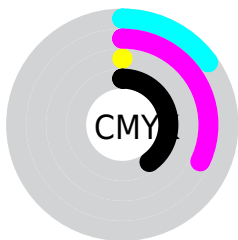
Distribution



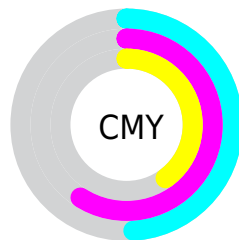
- Red (51%)
- Green (41%)
- Blue (60%)



- Red (51%)
- Yellow (41%)
- Blue (60%)



- Cyan (15%)
- Magenta (32%)
- Yellow (0%)
- Black (40%)




- Cyan (49%)
- Magenta (59%)
- Yellow (40%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 29.832, 311.259 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 48, 29.832, 311.259 by changing the saturation by 10% instead.

 48, 29.832,
311.259


 48, 29.832,
311.259


 100, 29.832,
311.259


 38, 29.832,
311.259

 68, 29.832,
311.259


 28, 29.832,
311.259

 78, 29.832,
311.259

 18, 29.832,
311.259

 88, 29.832,
311.259

 8, 29.832, 311.259

 98, 29.832,
311.259

 0, 29.832, 311.259

 48, 29.832,

 48, 29.832,

311.259

43, 39.617,
311.770

39, 49.361,
312.265

35, 58.804,
312.700

31, 67.546,
313.011

28, 75.039,
313.108

25, 80.661,
312.891

23, 84.248,
312.553

311.259

53, 20.157,
310.758

57, 10.685,
310.283

62, 1.459, 309.788

67, 7.502, 129.477

71, 16.193,
129.116

76, 24.619,
128.799

81, 32.790,
128.521

85, 40.716,
128.277

■ 90, 48.410,
128.065

Harmonies

Complementary

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



48, 29.832, 311.259



60, 28.629, 128.369

Rectangle

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



48, 29.832, 311.259



48, 29.832, 1.259



48, 29.832, 131.259



48, 29.832, 181.259

Sweetspot

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



48, 29.831, 311.259



74, 10.189, 310.172



52, 16.205, 262.122



38, 7.149, 310.234



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



48, 29.831, 311.259



57, 44.522, 311.624



50, 32.718, 326.570



30, 5.221, 310.174



21, 79.439, 312.633



1, 5.567, 309.486

Inverse Universe

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



50, 23.390, 347.742



60, 34.701, 348.592



58, 32.726, 142.706



30, 4.127, 345.502



29, 54.243, 2.894



1, 4.386, 345.230

Previews

White Background



This preview shows how the CIELCh color 48, 29.832, 311.259 looks on a white background.

Color Contrast Check

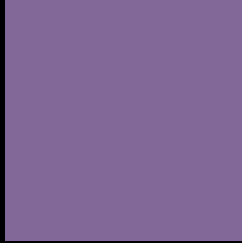
Large Text (above 18pt) WCAG AA ✓ Pass

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 48, 29.832, 311.259 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

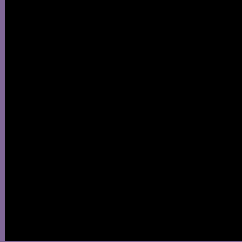
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 48, 29.832, 311.259

Background



This preview shows how black text looks on a background with the CIELCh color 48, 29.832, 311.259.



This preview shows how white text looks on a background with the CIELCh color 48, 29.832, 311.259.

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


48, 29.832, 311.259

Protanopia

48, 27.271, 285.357

Deuteranopia

48, 22.475, 286.927



Tritanopia
48, 7.494, 335.263

Trichromacy



Original Color
48, 29.832, 311.259

Protanomaly
48, 27.783, 294.486

Deuteranomaly
48, 24.923, 297.444

Tritanomaly
48, 15.168, 317.674

Monochromacy



Original Color
48, 29.832, 311.259

Achromatopsia
49, 0.007, 296.813

Achromatomaly
49, 11.216, 309.668

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 29.832, 311.259 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(129, 104, 152)` looks like.

```
.text, #text, p{  
    color:rgb(129, 104, 152)  
}
```

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(129, 104, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 104, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 29.832, 311.259 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(129, 104, 152) }
```

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

```
.border{ border-color:rgb(129, 104, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 104, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 104, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 104, 152);  
box-shadow:4px 4px 4px 4px rgb(129, 104,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 29.832, 311.259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 104, 152) }
```

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

```
.background{ background-color: rgb(129,  
104, 152) }
```

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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