

Converting Colors

CIELCh(49, 31.188, 318.623)

Have a look what the booklet for
CIELCh(49, 31.188, 318.623)
contains.

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Color

CIELCh(49, 31.148, 318.625)

Conversions

Conversions Part 1

Format	Color
Hex	8C6898
RGB	140, 104, 152
RGB Percent	55%, 41%, 60%
CMY	0.4529, 0.5939, 0.4058
CMYK	0.08, 0.32, 0.00, 0.41
HSL	285°, 19%, 50%
HSV	285°, 32%, 59%
XYZ	21.2668, 17.5941, 31.7734
YIQ	120.2360, 6.0480, 22.5600

Conversions

Conversions Part 2

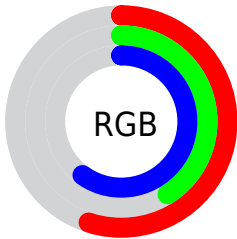
Format	Color
R_{YB}	140, 104, 152
Decimal	9201816
CIE _{Lab}	49.00, 23.37, -20.59
CIE _{LCh}	49, 31.148, 318.625
Yxy	17.5941, 0.3011, 0.2491
Android (android.graphics.Color)	4287391896 (0xFF8C6898)
YUV	120.2360, 15.6597, 17.3330
Hunter-Lab	41.9453, 17.0974, -15.5503

Details

The CIELCh color $49, 31.148, 318.625$ is a dark color, and the websafe version is hex 996699 . A complement of this color would be $59, 30.579, 135.741$, and the grayscale version is $50, 0.007, 296.813$.

A 20% lighter version of the original color is $69, 30.651, 318.649$, and $29, 31.338, 318.552$ is the 20% darker color. If you saturate the color by 10%, you get $45, 40.999, 319.029$, and if you desaturate by 10%, it is $53, 21.202, 318.198$.

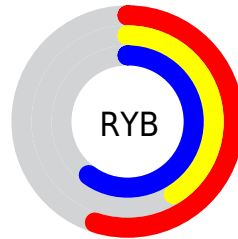
Distribution



Red (55%)

Green (41%)

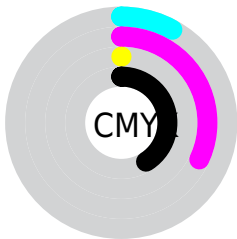
Blue (60%)



Red (55%)

Yellow (41%)

Blue (60%)

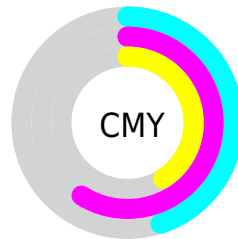


Cyan (8%)

Magenta (32%)

Yellow (0%)

Black (41%)



Cyan (45%)


Magenta (59%)


Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 49, 31.148, 318.625 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 49, 31.148, 318.625 by changing the saturation by 10% instead.


 49, 31.148,
318.625


 49, 31.148,
318.625


 100, 31.148,
318.625


 39, 31.148,
318.625

 69, 31.148,
318.625


 29, 31.148,
318.625

 79, 31.148,
318.625

 19, 31.148,
318.625

 89, 31.148,
318.625

 9, 31.148, 318.625

 99, 31.148,
318.625

 0, 31.148, 318.625

 49, 31.148,

 49, 31.148,

318.625

45, 40.999,
319.029

41, 50.528,
319.382

38, 59.409,
319.651

35, 67.224,
319.788

32, 73.511,
319.743

30, 77.874,
319.466

29, 80.438,
319.115

318.625

53, 21.202,
318.198

58, 11.321,
317.764

62, 1.600, 317.261

66, 7.903, 136.982

71, 17.160,
136.598

75, 26.157,
136.247

80, 34.892,
135.927

84, 43.370,
135.634

■ 89, 51.601,
135.370

Harmonies

Complementary

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



49, 31.148, 318.625



59, 30.579, 135.741

Rectangle

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



49, 31.148, 318.625



49, 31.148, 8.625



49, 31.148, 138.625



49, 31.148, 188.625

Sweetspot

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



49, 31.146, 318.625



74, 10.770, 317.655



49, 20.961, 280.712



39, 7.553, 317.715



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



49, 31.146, 318.625



59, 46.218, 318.915



50, 28.216, 333.786



30, 5.519, 317.657



26, 76.007, 319.171



1, 5.895, 316.901

Inverse Universe

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



49, 21.093, 3.000



59, 31.592, 4.084



58, 28.046, 149.309



30, 3.627, 0.299



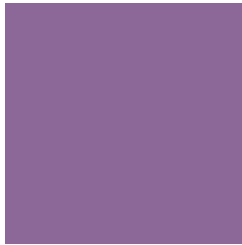
29, 57.185, 24.069



1, 3.835, 359.814

Previews

White Background



This preview shows how the CIELCh color 49, 31.148, 318.625 looks on a white background.

Color Contrast Check

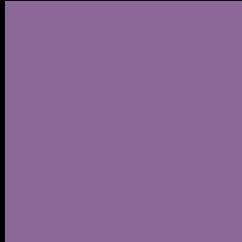
Large Text (above 18pt) WCAG AA ✓ Pass

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 49, 31.148, 318.625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

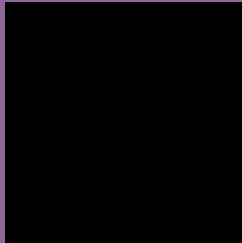
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 31.148, 318.625

Background



This preview shows how black text looks on a background with the CIELCh color 49, 31.148, 318.625.



This preview shows how white text looks on a background with the CIELCh color 49, 31.148, 318.625.

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

49, 31.148, 318.625

Protanopia

49, 26.577, 284.950

Deuteranopia

49, 19.981, 288.689



Tritanopia
49, 11.509, 353.667

Trichromacy



Original Color
49, 31.148, 318.625

Protanomaly
49, 27.176, 297.278

Deuteranomaly
49, 23.307, 301.974

Tritanomaly
49, 17.703, 332.063

Monochromacy



Original Color
49, 31.148, 318.625

Achromatopsia
50, 0.007, 296.813

Achromatomaly
50, 11.243, 318.272

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 31.148, 318.625 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(140, 104, 152)` looks like.

```
.text, #text, p{  
    color:rgb(140, 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(140, 104, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 104, 152) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 31.148, 318.625 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(140, 104, 152) }
```

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

```
.border{ border-color:rgb(140, 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(140, 104, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 104, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 104, 152);  
box-shadow:4px 4px 4px 4px rgb(140, 104,  
152) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 31.148, 318.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 104, 152) }
```

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

```
.background{ background-color: rgb(140,  
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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