

Converting Colors

CIELCh(49, 31.888, 6.241)

Have a look what the booklet for
CIELCh(49, 31.888, 6.241) contains.

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Color

CIELCh(49, 31.888, 6.241)

Conversions

Conversions Part 1

Format	Color
Hex	A85F70
RGB	168, 95, 112
RGB Percent	66%, 37%, 44%
CMY	0.3423, 0.6285, 0.5618
CMYK	0.00, 0.44, 0.33, 0.34
HSL	346°, 29%, 51%
HSV	346°, 44%, 66%
XYZ	23.0651, 17.5941, 17.4337
YIQ	118.7650, 38.0510, 20.7630

Conversions

Conversions Part 2

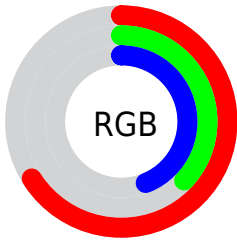
Format	Color
R_{YB}	168, 95, 112
Decimal	11034480
CIE _{Lab}	49.00, 31.70, 3.47
CIE _{LCh}	49, 31.888, 6.241
Yxy	17.5941, 0.3970, 0.3029
Android (android.graphics.Color)	4289224560 (0xFFA85F70)
YUV	118.7650, -3.3351, 43.1791
Hunter-Lab	41.9453, 24.7503, 4.7191

Details

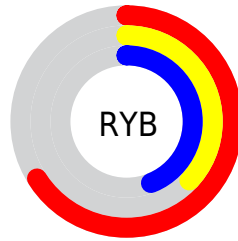
The CIELCh color **49, 31.888, 6.241** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **64, 27.044, 176.467**, and the grayscale version is **50, 0.007, 296.813**.

A 20% lighter version of the original color is **69, 31.826, 5.978**, and **29, 31.713, 6.449** is the 20% darker color. If you saturate the color by 10%, you get **45, 39.450, 8.305**, and if you desaturate by 10%, it is **53, 24.227, 4.575**.

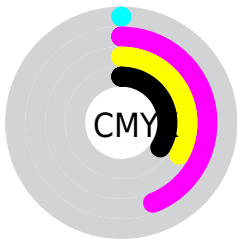
Distribution



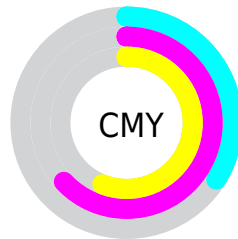
- Red (66%)
- Green (37%)
- Blue (44%)



- Red (66%)
- Yellow (37%)
- Blue (44%)



- Cyan (0%)
- Magenta (44%)
- Yellow (33%)
- Black (34%)




- Cyan (34%)
- Magenta (63%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 31.888, 6.241 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, 31.888, 6.241 by changing the saturation by 10% instead.

 49, 31.888, 6.241  49, 31.888, 6.241


 100, 31.888, 6.241  39, 31.888, 6.241

 69, 31.888, 6.241  29, 31.888, 6.241

 79, 31.888, 6.241  19, 31.888, 6.241

 89, 31.888, 6.241  9, 31.888, 6.241

 99, 31.888, 6.241  0, 31.888, 6.241

 49, 31.888, 6.241  49, 31.888, 6.241

 45, 39.450, 8.305  53, 24.227, 4.575

 42, 46.644, 10.890  58, 16.679, 3.195

 39, 53.161, 14.154  62, 9.373, 2.024

37, 58.766, 18.230

67, 2.378, 0.902

35, 63.419, 23.141

72, 4.279, 180.335

35, 66.269, 26.431

77, 10.597,
179.523

82, 16.590,
178.839

87, 22.282,
178.232

91, 27.699,
177.685

Harmonies

Complementary

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



49, 31.888, 6.241



64, 27.044, 176.467

Rectangle

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



49, 31.888, 6.241



49, 31.888, 56.241



49, 31.888, 186.241



49, 31.888, 236.241

Sweetspot

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



49, 31.886, 6.244



79, 11.107, 1.994



49, 46.617, 319.634



41, 7.874, 2.230



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



49, 31.886, 6.244



58, 47.233, 8.171



53, 26.890, 45.912



33, 3.899, 1.569



30, 60.142, 25.788



1, 6.871, 3.209

Inverse Universe

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



49, 31.886, 6.244



58, 47.233, 8.171



59, 20.107, 231.704



33, 3.899, 1.569



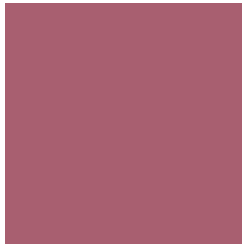
30, 60.142, 25.788



1, 6.871, 3.209

Previews

White Background



This preview shows how the CIELCh color 49, 31.888, 6.241 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 CIE LCh color 49, 31.888, 6.241 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

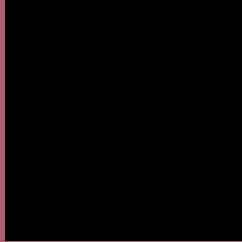
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 31.888, 6.241

Background



This preview shows how black text looks on a background with the CIELCh color 49, 31.888, 6.241.



This preview shows how white text looks on a background with the CIELCh color 49, 31.888, 6.241.

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, 31.888, 6.241

Protanopia

49, 4.724, 295.581

Deuteranopia

49, 7.943, 37.229



Tritanopia
49, 30.850, 16.246

Trichromacy



Original Color
49, 31.888, 6.241

Protanomaly
49, 13.060, 348.527

Deuteranomaly
49, 16.236, 13.244

Tritanomaly
49, 30.785, 13.033

Monochromacy



Original Color
49, 31.888, 6.241

Achromatopsia
50, 0.007, 296.813

Achromatomaly
49, 11.305, 2.782

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 31.888, 6.241 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(168, 95, 112)` looks like.

```
.text, #text, p{  
    color:rgb(168, 95, 112)  
}
```

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(168, 95, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 95, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 31.888, 6.241 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(168, 95, 112) }
```

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

```
.border{ border-color:rgb(168, 95, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 95, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 95, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 95, 112);  
box-shadow:4px 4px 4px 4px rgb(168, 95,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 31.888, 6.241 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 95, 112) }
```

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

```
.background{ background-color: rgb(168, 95,  
112) }
```

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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