

Converting Colors

CIELCh(49, 31.987, 95.764)

Have a look what the booklet for
CIELCh(49, 31.987, 95.764) contains.

CIELCh(49, 31.950, 95.803)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(49, 31.950, 95.803)

Conversions

Conversions Part 1

Format	Color
Hex	81753E
RGB	129, 117, 62
RGB Percent	51%, 46%, 24%
CMY	0.4959, 0.5429, 0.7585
CMYK	0.00, 0.09, 0.52, 0.50
HSL	49°, 35%, 37%
HSV	49°, 52%, 50%
XYZ	16.1508, 17.5941, 7.0426
YIQ	114.3180, 24.8070, -14.5610

Conversions

Conversions Part 2

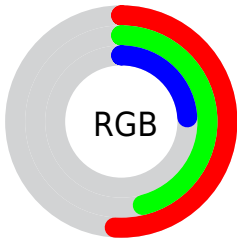
Format	Color
R_{YB}	77, 129, 62
Decimal	8484158
CIE Lab	49.00, -3.23, 31.79
CIE LCh	49, 31.950, 95.803
Yxy	17.5941, 0.3960, 0.4314
Android (android.graphics.Color)	4286674238 (0xFF81753E)
YUV	114.3180, -25.7928, 12.8761
Hunter-Lab	41.9453, -4.6736, 19.4069

Details

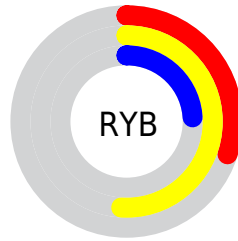
The CIELCh color **49, 31.950, 95.803** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **33, 34.668, 289.910**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 31.944, 96.161**, and **29, 31.784, 95.443** is the 20% darker color. If you saturate the color by 10%, you get **48, 37.654, 94.646**, and if you desaturate by 10%, it is **50, 25.958, 96.963**.

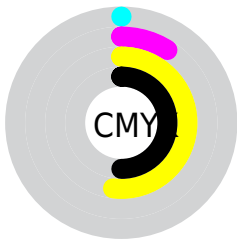
Distribution



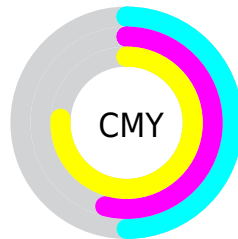
- Red (51%)
- Green (46%)
- Blue (24%)



- Red (30%)
- Yellow (51%)
- Blue (24%)



- Cyan (0%)
- Magenta (9%)
- Yellow (52%)
- Black (50%)



- Cyan (50%)
- Magenta (54%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 31.950, 95.803 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, 31.950, 95.803 by changing the saturation by 10% instead.

49, 31.950, 95.803

49, 31.950, 95.803

100, 31.950,
95.803

39, 31.950, 95.803

69, 31.950, 95.803

29, 31.950, 95.803

79, 31.950, 95.803

19, 31.950, 95.803

89, 31.950, 95.803

9, 31.950, 95.803

99, 31.950, 95.803

0, 31.950, 95.803

49, 31.950, 95.803

49, 31.950, 95.803

48, 37.654, 94.646

50, 25.958, 96.963

47, 42.832, 93.483

51, 19.822, 98.109

47, 47.141, 92.309

52, 13.632, 99.237

46, 50.164, 91.097

53, 7.439, 100.337

45, 52.072, 90.141

54, 1.274, 101.344

55, 4.848, 282.488

56, 10.917,
283.476

57, 16.929,
284.429

58, 22.884,
285.341

Harmonies

Complementary

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



49, 31.950, 95.803



33, 34.668, 289.910

Rectangle

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



49, 31.950, 95.803



49, 31.950, 145.803



49, 31.950, 275.803



49, 31.950, 325.803

Sweetspot

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



49, 31.951, 95.806



67, 12.293, 99.869



35, 30.806, 11.495



34, 8.265, 99.684



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



49, 31.951, 95.806



62, 47.438, 94.366



51, 38.551, 119.682



26, 3.442, 100.658



45, 51.773, 90.153



0, 0.000, 0.000

Inverse Universe

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



33, 34.668, 289.910



37, 53.399, 292.921



31, 42.949, 306.094



25, 3.485, 282.686



16, 69.702, 302.306



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 49, 31.950, 95.803 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, 31.950, 95.803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

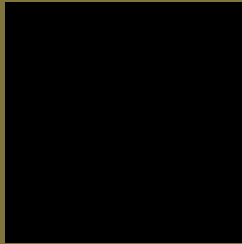
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 49, 31.950, 95.803

Background



This preview shows how black text looks on a background with the CIELCh color 49, 31.950, 95.803.



This preview shows how white text looks on a background with the CIELCh color 49, 31.950, 95.803.

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, 31.950, 95.803

Protanopia

49, 31.862, 96.633

Deuteranopia

49, 32.017, 78.071



Tritanopia
49, 11.142, 352.623

Trichromacy



Original Color
49, 31.950, 95.803

Protanomaly
49, 31.862, 96.633

Deuteranomaly
49, 31.889, 84.384

Tritanomaly
49, 12.032, 62.701

Monochromacy



Original Color
49, 31.950, 95.803

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 11.824, 100.180

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 31.950, 95.803 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, 117, 62)` looks like.

```
.text, #text, p{  
    color:rgb(129, 117, 62)  
}
```

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, 117, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 117, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 31.950, 95.803 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, 117, 62) }
```

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

```
.border{ border-color:rgb(129, 117, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 117, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 117, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 117, 62);  
box-shadow:4px 4px 4px 4px rgb(129, 117,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 31.950, 95.803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 117, 62) }
```

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

```
.background{ background-color: rgb(129,  
117, 62) }
```

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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