

Converting Colors

CIELCh(49, 47.424, 31.313)

Have a look what the booklet for
CIELCh(49, 47.424, 31.313) contains.

CIELCh(49, 47.424, 31.313)	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, 47.424, 31.313)

Conversions

Conversions Part 1

Format	Color
Hex	BB554D
RGB	187, 85, 77
RGB Percent	73%, 33%, 30%
CMY	0.2667, 0.6667, 0.6981
CMYK	0.00, 0.55, 0.59, 0.27
HSL	4°, 45%, 52%
HSV	4°, 59%, 73%
XYZ	25.0772, 17.5941, 9.0936
YIQ	114.5860, 63.3600, 19.1360

Conversions

Conversions Part 2

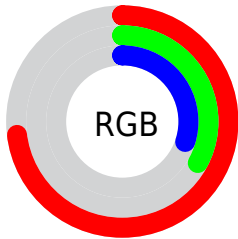
Format	Color
R_{YB}	187, 86, 77
Decimal	12277069
CIE Lab	49.00, 40.52, 24.65
CIE LCh	49, 47.424, 31.313
Yxy	17.5941, 0.4844, 0.3399
Android (android.graphics.Color)	4290467149 (0xFFBB554D)
YUV	114.5860, -18.5299, 63.5071
Hunter-Lab	41.9453, 33.3130, 16.5079

Details

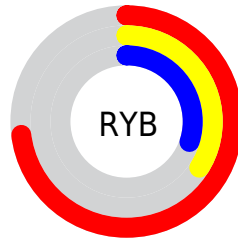
The CIELCh color **49, 47.424, 31.313** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **68, 29.930, 205.694**, and the grayscale version is **48, 0.006, 296.813**.

A 20% lighter version of the original color is **69, 47.462, 31.096**, and **29, 47.560, 30.997** is the 20% darker color. If you saturate the color by 10%, you get **46, 56.922, 33.426**, and if you desaturate by 10%, it is **53, 38.119, 29.648**.

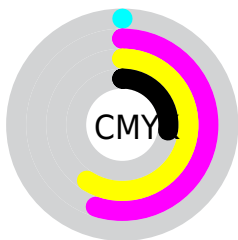
Distribution



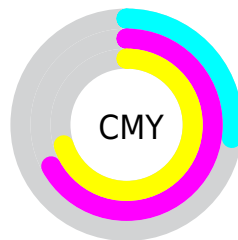
- Red (73%)
- Green (33%)
- Blue (30%)



- Red (73%)
- Yellow (34%)
- Blue (30%)



- Cyan (0%)
- Magenta (55%)
- Yellow (59%)
- Black (27%)



- Cyan (27%)
- Magenta (67%)
- Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 49, 47.424, 31.313 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, 47.424, 31.313 by changing the saturation by 10% instead.

 49, 47.424, 31.313

 49, 47.424, 31.313

 100, 47.424,
31.313

 39, 47.424, 31.313

 69, 47.424, 31.313

 29, 47.424, 31.313

 79, 47.424, 31.313

 19, 47.424, 31.313

 89, 47.424, 31.313

 9, 47.424, 31.313

 99, 47.424, 31.313

 0, 47.424, 31.313

 49, 47.424, 31.313

 49, 47.424, 31.313

 46, 56.922, 33.426

 53, 38.119, 29.648

 43, 66.254, 35.916

 57, 29.229, 28.374

41, 74.690, 38.440

62, 20.869, 27.421

39, 81.083, 40.461

67, 13.090, 26.713

39, 81.800, 40.776

71, 5.892, 26.162

76, 0.753, 206.600

82, 6.890, 205.728

87, 12.571,
205.529

92, 17.847,
205.415

Harmonies

Complementary

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



49, 47.424, 31.313



68, 29.930, 205.694

Rectangle

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



49, 47.424, 31.313



49, 47.424, 81.313



49, 47.424, 211.313



49, 47.424, 261.313

Sweetspot

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



49, 47.422, 31.316



85, 15.412, 26.680



51, 66.450, 329.488



44, 10.926, 26.864



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



49, 47.422, 31.316



58, 72.949, 34.220



61, 41.458, 74.415



37, 3.820, 26.190



33, 71.814, 40.690



3, 11.657, 23.822

Inverse Universe

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



68, 29.930, 205.694



84, 40.592, 206.324



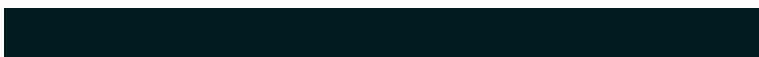
52, 37.738, 274.290



39, 3.598, 205.753



55, 32.018, 208.710



9, 10.583, 206.659

Previews

White Background



This preview shows how the CIELCh color 49, 47.424, 31.313 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, 47.424, 31.313 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, 47.424, 31.313

Background



This preview shows how black text looks on a background with the CIELCh color 49, 47.424, 31.313.



This preview shows how white text looks on a background with the CIELCh color 49, 47.424, 31.313.

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





Tritanopia
49, 46.306, 22.271

Trichromacy



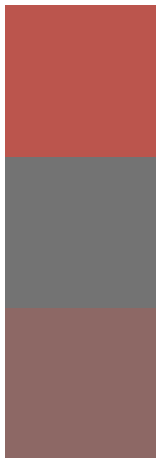
Original Color
49, 47.424, 31.313

Protanomaly
48, 23.223, 51.112

Deuteranomaly
49, 31.692, 52.235

Tritanomaly
49, 46.571, 25.547

Monochromacy



Original Color
49, 47.424, 31.313

Achromatopsia
48, 0.006, 296.813

Achromatomaly
48, 16.211, 27.522

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 49, 47.424, 31.313 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(187, 85, 77)` looks like.

```
.text, #text, p{  
    color:rgb(187, 85, 77)  
}
```

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(187, 85, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 85, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 49, 47.424, 31.313 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(187, 85, 77) }
```

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

```
.border{ border-color:rgb(187, 85, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 85, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 85, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 85, 77);  
box-shadow:4px 4px 4px 4px rgb(187, 85,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 49, 47.424, 31.313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 85, 77) }
```

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

```
.background{ background-color: rgb(187, 85,  
77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor