

Converting Colors

CIELCh(48, 50.129, 27.582)

Have a look what the booklet for
CIELCh(48, 50.129, 27.582) contains.

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Color

CIELCh(48, 50.432, 27.675)

Conversions

Conversions Part 1

Format	Color
Hex	BD4E4D
RGB	189, 78, 77
RGB Percent	74%, 31%, 30%
CMY	0.2590, 0.6942, 0.6981
CMYK	0.00, 0.59, 0.59, 0.26
HSL	1°, 46%, 52%
HSV	1°, 59%, 74%
XYZ	25.0387, 16.7945, 8.9382
YIQ	111.0750, 66.4770, 23.2210

Conversions

Conversions Part 2

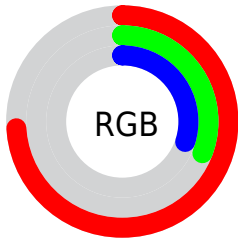
Format	Color
RYB	189, 78, 77
Decimal	12406349
CIELab	48.00, 44.66, 23.42
CIELCh	48, 50.432, 27.675
Yxy	16.7945, 0.4932, 0.3308
Android (android.graphics.Color)	4290596429 (0xFFBD4E4D)
YUV	111.0750, -16.7990, 68.3402
Hunter-Lab	40.9810, 37.3436, 15.7552

Details

The CIELCh color **48, 50.432, 27.675** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **70, 32.376, 197.920**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **68, 50.547, 27.696**, and **28, 50.308, 27.632** is the 20% darker color. If you saturate the color by 10%, you get **45, 59.990, 30.465**, and if you desaturate by 10%, it is **52, 40.851, 25.466**.

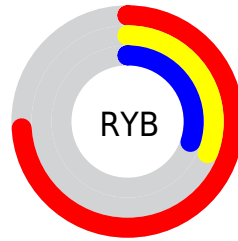
Distribution



Red (74%)

Green (31%)

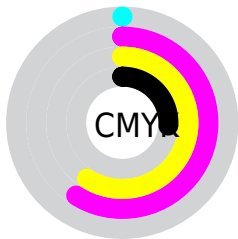
Blue (30%)



Red (74%)

Yellow (31%)

Blue (30%)

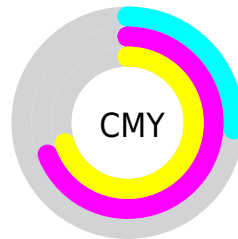


Cyan (0%)

Magenta (59%)

Yellow (59%)

Black (26%)



Cyan (26%)

Magenta (69%)

Yellow (70%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 48, 50.432, 27.675 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, 50.432, 27.675 by changing the saturation by 10% instead.

 48, 50.432, 27.675

 48, 50.432, 27.675

 100, 50.432,
27.675

 38, 50.432, 27.675

 68, 50.432, 27.675

 28, 50.432, 27.675

 78, 50.432, 27.675

 18, 50.432, 27.675

 88, 50.432, 27.675

 8, 50.432, 27.675

 98, 50.432, 27.675

 0, 50.432, 27.675

 48, 50.432, 27.675

 48, 50.432, 27.675

 45, 59.990, 30.465

 52, 40.851, 25.466

 42, 69.126, 33.763

 56, 31.536, 23.758

40, 77.102, 37.140

61, 22.674, 22.450

39, 82.913, 39.872

66, 14.364, 21.442

39, 83.354, 40.092

72, 6.642, 20.636

77, 0.505, 201.175

82, 7.115, 199.740

88, 13.237,
199.344

93, 18.926,
199.044

Harmonies

Complementary

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



48, 50.432, 27.675



70, 32.376, 197.920

Rectangle

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



48, 50.432, 27.675



48, 50.432, 77.675



48, 50.432, 207.675



48, 50.432, 257.675

Sweetspot

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



48, 50.430, 27.678



85, 16.498, 21.356



52, 70.473, 327.400



43, 11.591, 21.618



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



48, 50.430, 27.678



57, 76.129, 31.369



60, 41.383, 68.006



37, 4.059, 20.643



33, 72.679, 39.791



3, 12.174, 19.925

Inverse Universe

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



70, 32.376, 197.920



88, 43.812, 197.742



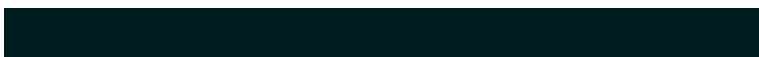
54, 34.878, 267.600



39, 3.828, 199.764



58, 34.619, 197.764



9, 11.521, 197.837

Previews

White Background



This preview shows how the CIELCh color 48, 50.432, 27.675 looks on a white background.

Color Contrast Check

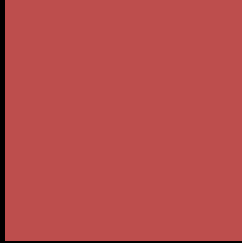
Large Text (above 18pt) WCAG AA ✓ Pass

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, 50.432, 27.675 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, 50.432, 27.675

Background



This preview shows how black text looks on a background with the CIELCh color 48, 50.432, 27.675.



This preview shows how white text looks on a background with the CIELCh color 48, 50.432, 27.675.

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, 50.432, 27.675

Protanopia

48, 12.672, 94.564

Deuteranopia

48, 25.804, 75.563



Tritanopia
48, 49.845, 24.062

Trichromacy



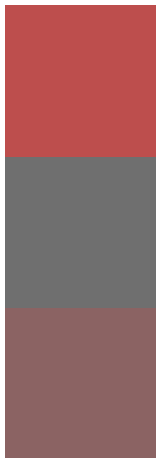
Original Color
48, 50.432, 27.675

Protanomaly
47, 22.289, 43.016

Deuteranomaly
47, 31.772, 47.988

Tritanomaly
48, 50.184, 25.330

Monochromacy



Original Color
48, 50.432, 27.675

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 17.422, 21.656

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 48, 50.432, 27.675 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(189, 78, 77)` looks like.

```
.text, #text, p{  
    color:rgb(189, 78, 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(189, 78, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 78, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 48, 50.432, 27.675 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(189, 78, 77) }
```

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

```
.border{ border-color:rgb(189, 78, 77) }
```

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

Here you see how a box with a 4 pixel rgb(189, 78, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 78, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 78, 77);  
box-shadow:4px 4px 4px 4px rgb(189, 78,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 48, 50.432, 27.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 78, 77) }
```

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

```
.background{ background-color: rgb(189, 78,  
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](#).

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