

Converting Colors

CIELCh(46, 48.904, 20.433)

Have a look what the booklet for
CIELCh(46, 48.904, 20.433) contains.

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Color

CIELCh(46, 48.904, 20.433)

Conversions

Conversions Part 1

Format	Color
Hex	B74853
RGB	183, 72, 83
RGB Percent	72%, 28%, 33%
CMY	0.2833, 0.7184, 0.6752
CMYK	0.00, 0.61, 0.55, 0.28
HSL	354°, 44%, 50%
HSV	354°, 61%, 72%
XYZ	23.3317, 15.2687, 9.8637
YIQ	106.4430, 62.6250, 26.9530

Conversions

Conversions Part 2

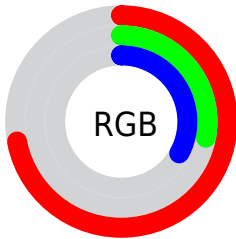
Format	Color
RYB	183, 72, 83
Decimal	12011603
CIELab	46.00, 45.83, 17.07
CIELCh	46, 48.904, 20.433
Yxy	15.2687, 0.4814, 0.3151
Android (android.graphics.Color)	4290201683 (0xFFB74853)
YUV	106.4430, -11.5574, 67.1405
Hunter-Lab	39.0751, 38.2005, 12.3860

Details

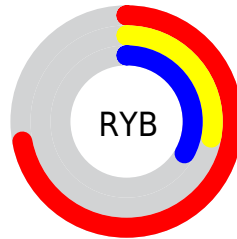
The CIELCh color **46, 48.904, 20.433** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **68, 34.174, 186.376**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 48.910, 20.609**, and **26, 49.130, 20.803** is the 20% darker color. If you saturate the color by 10%, you get **43, 57.200, 23.624**, and if you desaturate by 10%, it is **50, 40.300, 17.909**.

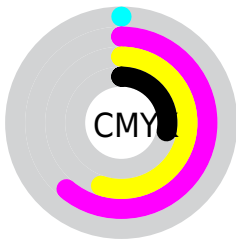
Distribution



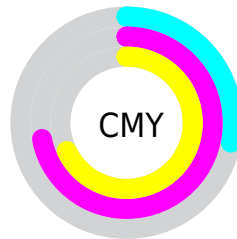
- Red (72%)
- Green (28%)
- Blue (33%)



- Red (72%)
- Yellow (28%)
- Blue (33%)



- Cyan (0%)
- Magenta (61%)
- Yellow (55%)
- Black (28%)



- Cyan (28%)
- Magenta (72%)
- Yellow (68%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 48.904, 20.433 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 46, 48.904, 20.433 by changing the saturation by 10% instead.

 46, 48.904, 20.433

 46, 48.904, 20.433

 100, 48.904,
20.433

 36, 48.904, 20.433

 66, 48.904, 20.433

 26, 48.904, 20.433

 76, 48.904, 20.433

 16, 48.904, 20.433

 86, 48.904, 20.433

 6, 48.904, 20.433

 96, 48.904, 20.433

 0, 48.904, 20.433

 46, 48.904, 20.433

 46, 48.904, 20.433

 43, 57.200, 23.624

 50, 40.300, 17.909

 40, 64.914, 27.525

 54, 31.682, 15.923

39, 71.784, 31.964

59, 23.275, 14.351

38, 77.224, 35.846

64, 15.232, 13.088

69, 7.630, 12.039

74, 0.495, 10.254

79, 6.183, 190.644

85, 12.431,
190.006

90, 18.287,
189.477

Harmonies

Complementary

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



46, 48.904, 20.433



68, 34.174, 186.376

Rectangle

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



46, 48.904, 20.433



46, 48.904, 70.433



46, 48.904, 200.433



46, 48.904, 250.433

Sweetspot

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



46, 48.901, 20.436



82, 16.231, 12.819



48, 69.113, 324.331



42, 11.475, 13.144



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



46, 48.901, 20.436



54, 72.906, 24.909



55, 41.291, 58.171



36, 4.031, 11.904



32, 68.093, 35.262



2, 10.712, 13.388

Inverse Universe

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



46, 48.901, 20.436



54, 72.906, 24.909



55, 30.588, 255.525



36, 4.031, 11.904



32, 68.093, 35.262



2, 10.712, 13.388

Previews

White Background



This preview shows how the CIELCh color 46, 48.904, 20.433 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 46, 48.904, 20.433 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 46, 48.904, 20.433

Background



This preview shows how black text looks on a background with the CIELCh color 46, 48.904, 20.433.



This preview shows how white text looks on a background with the CIELCh color 46, 48.904, 20.433.

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

46, 48.904, 20.433

Protanopia

46, 5.171, 85.401

Deuteranopia

46, 19.856, 72.569



Tritanopia
46, 49.036, 24.755

Trichromacy



Original Color
46, 48.904, 20.433

Protanomaly
45, 19.454, 23.701

Deuteranomaly
45, 27.337, 38.585

Tritanomaly
46, 48.706, 23.442

Monochromacy



Original Color
46, 48.904, 20.433

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 17.475, 14.072

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 48.904, 20.433 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(183, 72, 83)` looks like.

```
.text, #text, p{  
    color:rgb(183, 72, 83)  
}
```

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(183, 72, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 72, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 48.904, 20.433 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(183, 72, 83) }
```

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

```
.border{ border-color:rgb(183, 72, 83) }
```

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

Here you see how a box with a 4 pixel rgb(183, 72, 83) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 72, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 72, 83);  
box-shadow:4px 4px 4px 4px rgb(183, 72,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 48.904, 20.433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 72, 83) }
```

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

```
.background{ background-color: rgb(183, 72,  
83) }
```

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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