

Converting Colors

CIELCh(46, 49.883, 20.660)

Have a look what the booklet for
CIELCh(46, 49.883, 20.660) contains.

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Color

CIELCh(46, 49.795, 20.787)

Conversions

Conversions Part 1

Format	Color
Hex	B84752
RGB	184, 71, 82
RGB Percent	72%, 28%, 32%
CMY	0.2790, 0.7221, 0.6789
CMYK	0.00, 0.61, 0.55, 0.28
HSL	354°, 44%, 50%
HSV	354°, 61%, 72%
XYZ	23.4945, 15.2687, 9.6677
YIQ	106.0410, 63.8170, 27.3770

Conversions

Conversions Part 2

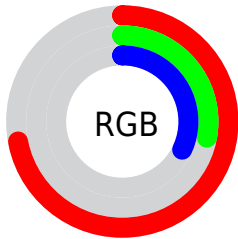
Format	Color
RYB	184, 71, 82
Decimal	12076882
CIELab	46.00, 46.55, 17.67
CIElCh	46, 49.795, 20.787
Yxy	15.2687, 0.4851, 0.3153
Android (android.graphics.Color)	4290266962 (0xFFB84752)
YUV	106.0410, -11.8522, 68.3700
Hunter-Lab	39.0751, 38.9443, 12.6835

Details

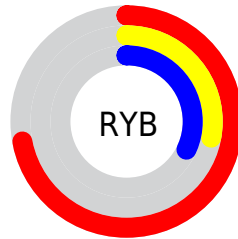
The CIELCh color **46, 49.795, 20.787** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **68, 34.565, 186.492**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 49.784, 20.820**, and **26, 49.827, 20.678** is the 20% darker color. If you saturate the color by 10%, you get **43, 58.113, 24.032**, and if you desaturate by 10%, it is **50, 41.150, 18.217**.

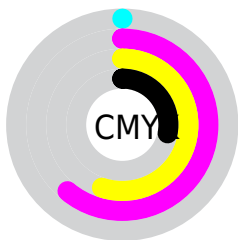
Distribution



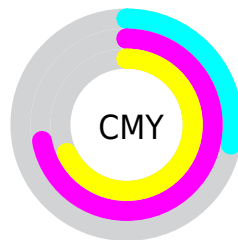
- Red (72%)
- Green (28%)
- Blue (32%)



- Red (72%)
- Yellow (28%)
- Blue (32%)



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



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


Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 49.795, 20.787 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, 49.795, 20.787 by changing the saturation by 10% instead.

 46, 49.795, 20.787

 46, 49.795, 20.787

 100, 49.795,
20.787

 36, 49.795, 20.787

 66, 49.795, 20.787

 26, 49.795, 20.787

 76, 49.795, 20.787

 16, 49.795, 20.787

 86, 49.795, 20.787

 6, 49.795, 20.787


 96, 49.795, 20.787

 0, 49.795, 20.787

 46, 49.795, 20.787

 46, 49.795, 20.787

 43, 58.113, 24.032

 50, 41.150, 18.217

 40, 65.830, 27.981

 54, 32.473, 16.195

39, 72.672, 32.433

59, 23.999, 14.598

38, 77.666, 35.958

64, 15.884, 13.317

69, 8.211, 12.258

74, 1.009, 10.972

79, 5.731, 190.850

85, 12.035,
190.202

90, 17.942,
189.669

Harmonies

Complementary

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



46, 49.795, 20.787



68, 34.565, 186.492

Rectangle

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



46, 49.795, 20.787



46, 49.795, 70.787



46, 49.795, 200.787



46, 49.795, 250.787

Sweetspot

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



46, 49.792, 20.790



83, 16.370, 12.964



48, 70.125, 324.351



42, 11.473, 13.287



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, 49.792, 20.790



55, 74.574, 25.449



55, 42.082, 58.106



36, 4.030, 12.051



32, 68.169, 35.359



2, 10.710, 13.498

Inverse Universe

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



46, 49.792, 20.790



55, 74.574, 25.449



55, 31.046, 255.773



36, 4.030, 12.051



32, 68.169, 35.359



2, 10.710, 13.498

Previews

White Background



This preview shows how the CIELCh color 46, 49.795, 20.787 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, 49.795, 20.787 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

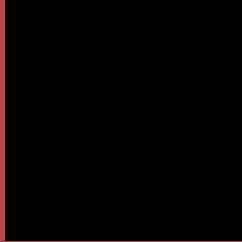
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 49.795, 20.787

Background



This preview shows how black text looks on a background with the CIELCh color 46, 49.795, 20.787.



This preview shows how white text looks on a background with the CIELCh color 46, 49.795, 20.787.

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, 49.795, 20.787

Protanopia

46, 5.720, 87.681

Deuteranopia

46, 21.136, 73.117



Tritanopia
46, 50.388, 25.104

Trichromacy



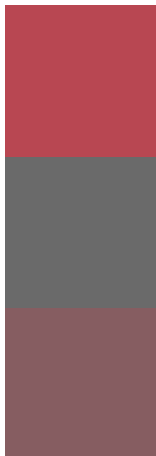
Original Color
46, 49.795, 20.787

Protanomaly
45, 19.563, 25.395

Deuteranomaly
45, 28.344, 40.443

Tritanomaly
46, 50.046, 23.831

Monochromacy



Original Color
46, 49.795, 20.787

Achromatopsia
45, 0.006, 296.813

Achromatomaly
44, 17.949, 14.359

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 49.795, 20.787 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(184, 71, 82)` looks like.

```
.text, #text, p{  
    color:rgb(184, 71, 82)  
}
```

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(184, 71, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(184, 71, 82) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 49.795, 20.787 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(184, 71, 82) }
```

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

```
.border{ border-color:rgb(184, 71, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(184, 71, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(184, 71, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(184, 71, 82);  
box-shadow:4px 4px 4px 4px rgb(184, 71,  
82) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 49.795, 20.787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(184, 71, 82) }
```

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

```
.background{ background-color: rgb(184, 71,  
82) }
```

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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