

Converting Colors

CIELCh(46, 12.042, 44.228)

Have a look what the booklet for
CIELCh(46, 12.042, 44.228) contains.

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Color

CIELCh(46, 12.259, 46.079)

Conversions

Conversions Part 1

Format	Color
Hex	81685F
RGB	129, 104, 95
RGB Percent	51%, 41%, 37%
CMY	0.4958, 0.5938, 0.6291
CMYK	0.00, 0.19, 0.26, 0.50
HSL	16°, 15%, 44%
HSV	16°, 26%, 50%
XYZ	15.9423, 15.2687, 12.8360
YIQ	110.4490, 17.7890, 2.5010

Conversions

Conversions Part 2

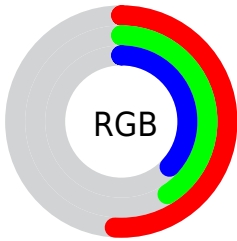
Format	Color
R_{YB}	129, 107, 95
Decimal	8480863
CIE Lab	46.00, 8.50, 8.83
CIE LCh	46, 12.259, 46.079
Yxy	15.2687, 0.3619, 0.3466
Android (android.graphics.Color)	4286670943 (0xFF81685F)
YUV	110.4490, -7.6164, 16.2692
Hunter-Lab	39.0751, 4.4450, 7.8760

Details

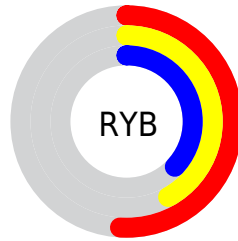
The CIELCh color $46, 12.259, 46.079$ is a dark color, and the websafe version is hex 996666 . A complement of this color would be $49, 10.449, 229.163$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 12.242, 46.881$, and $26, 12.218, 46.048$ is the 20% darker color. If you saturate the color by 10%, you get $43, 17.568, 45.840$, and if you desaturate by 10%, it is $49, 7.332, 46.424$.

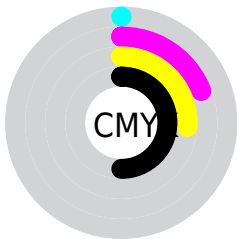
Distribution



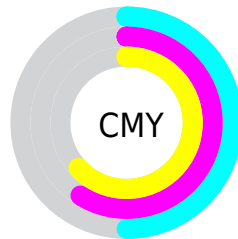
- Red (51%)
- Green (41%)
- Blue (37%)



- Red (51%)
- Yellow (42%)
- Blue (37%)



- Cyan (0%)
- Magenta (19%)
- Yellow (26%)
- Black (50%)





















- Cyan (50%)
- Magenta (59%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 12.259, 46.079 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, 12.259, 46.079 by changing the saturation by 10% instead.

 46, 12.259, 46.079	 46, 12.259, 46.079
 100, 12.259, 46.079	 36, 12.259, 46.079
 66, 12.259, 46.079	 26, 12.259, 46.079
 76, 12.259, 46.079	 16, 12.259, 46.079
 86, 12.259, 46.079	 6, 12.259, 46.079
 96, 12.259, 46.079	 0, 12.259, 46.079

 46, 12.259, 46.079	 46, 12.259, 46.079
 43, 17.568, 45.840	 49, 7.332, 46.424
 40, 23.275, 45.713	 52, 2.761, 46.775

■ 38, 29.372, 45.727

■ 55, 1.486, 227.658

■ 35, 35.806, 45.884

■ 58, 5.444, 228.006

■ 33, 42.437, 46.137

■ 61, 9.144, 228.537

■ 31, 48.942, 46.329

■ 64, 12.617,
229.100

■ 29, 54.770, 46.227

■ 67, 15.891,
229.674

■ 29, 56.728, 46.268

■ 70, 18.989,
230.250

■ 73, 21.933,
230.821

Harmonies

Complementary

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



46, 12.259, 46.079



49, 10.449, 229.163

Rectangle

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



46, 12.259, 46.079



46, 12.259, 96.079



46, 12.259, 226.079



46, 12.259, 276.079

Sweetspot

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



46, 12.258, 46.088



66, 4.314, 46.723



44, 20.370, 334.043



34, 3.067, 46.679



85, 0.010, 296.813



36, 0.005, 296.813

Same Dimension

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



46, 12.258, 46.088



57, 18.963, 45.918



51, 15.233, 94.154



25, 2.430, 46.693



29, 56.331, 46.255



0, 0.000, 0.000

Inverse Universe

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



49, 10.449, 229.163



61, 15.467, 229.842



44, 15.500, 280.819



26, 2.313, 227.831



37, 27.577, 247.619



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 12.259, 46.079 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 46, 12.259, 46.079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

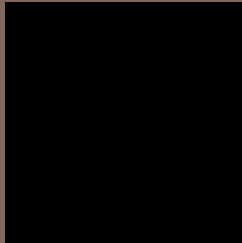
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 12.259, 46.079

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.259, 46.079.

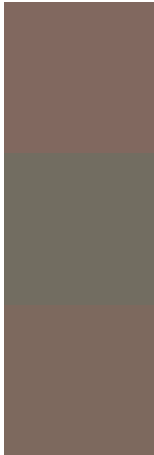


This preview shows how white text looks on a background with the CIELCh color 46, 12.259, 46.079.

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, 12.259, 46.079

Protanopia

46, 7.404, 92.384

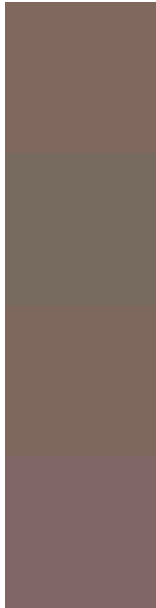
Deuteranopia

46, 10.978, 56.325



Tritanopia
46, 13.008, 359.868

Trichromacy



Original Color
46, 12.259, 46.079

Protanomaly
46, 8.340, 70.795

Deuteranomaly
46, 11.388, 51.460

Tritanomaly
46, 11.545, 15.022

Monochromacy



Original Color
46, 12.259, 46.079

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.454, 51.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.259, 46.079 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, 104, 95)` looks like.

```
.text, #text, p{  
    color:rgb(129, 104, 95)  
}
```

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, 104, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 104, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.259, 46.079 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, 104, 95) }
```

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

```
.border{ border-color:rgb(129, 104, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 104, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 104, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 104, 95);  
box-shadow:4px 4px 4px 4px rgb(129, 104,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.259, 46.079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 104, 95) }
```

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

```
.background{ background-color: rgb(129,  
104, 95) }
```

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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