

Converting Colors

CIELCh(46, 10.980, 20.713)

Have a look what the booklet for
CIELCh(46, 10.980, 20.713) contains.

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Color

CIELCh(46, 11.111, 20.773)

Conversions

Conversions Part 1

Format	Color
Hex	816767
RGB	129, 103, 103
RGB Percent	51%, 40%, 40%
CMY	0.4952, 0.5971, 0.5971
CMYK	0.00, 0.20, 0.20, 0.50
HSL	0°, 11%, 45%
HSV	0°, 20%, 50%
XYZ	16.2715, 15.2687, 14.8533
YIQ	110.7740, 15.4960, 5.5120

Conversions

Conversions Part 2

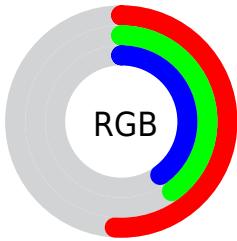
Format	Color
RYB	129, 103, 103
Decimal	8480615
CIELab	46.00, 10.39, 3.94
CIELCh	46, 11.111, 20.773
Yxy	15.2687, 0.3507, 0.3291
Android (android.graphics.Color)	4286670695 (0xFF816767)
YUV	110.7740, -3.8326, 15.9842
Hunter-Lab	39.0751, 5.9488, 4.8152

Details

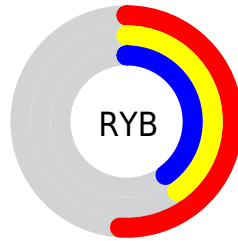
The CIELCh color **46, 11.111, 20.773** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **52, 9.783, 198.432**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 11.053, 20.402**, and **26, 11.004, 21.485** is the 20% darker color. If you saturate the color by 10%, you get **42, 17.236, 21.796**, and if you desaturate by 10%, it is **50, 5.398, 19.963**.

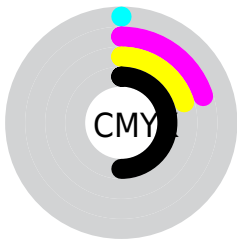
Distribution



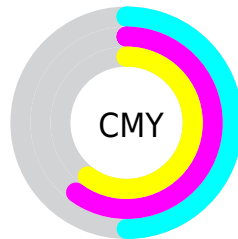
- Red (51%)
- Green (40%)
- Blue (40%)



- Red (51%)
- Yellow (40%)
- Blue (40%)



- Cyan (0%)
- Magenta (20%)
- Yellow (20%)
- Black (50%)



- Cyan (50%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 11.111, 20.773 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, 11.111, 20.773 by changing the saturation by 10% instead.

■ 46, 11.111, 20.773

■ 46, 11.111, 20.773

■ 100, 11.111,
20.773

■ 36, 11.111, 20.773

■ 66, 11.111, 20.773

■ 26, 11.111, 20.773

■ 76, 11.111, 20.773

■ 16, 11.111, 20.773

■ 86, 11.111, 20.773

■ 6, 11.111, 20.773

■ 96, 11.111, 20.773

■ 0, 11.111, 20.773

■ 46, 11.111, 20.773

■ 46, 11.111, 20.773

■ 42, 17.236, 21.796

■ 50, 5.398, 19.963

■ 39, 23.750, 23.100

■ 54, 0.097, 15.298

35, 30.578, 24.786

58, 4.820, 199.026

32, 37.586, 26.953

62, 9.384, 198.600

30, 44.581, 29.676

66, 13.633,
198.275

28, 51.296, 32.920

70, 17.603,
198.014

27, 57.232, 36.285

26, 61.591, 38.427

74, 21.327,
197.801

78, 24.835,
197.625

82, 28.155,
197.477

Harmonies

Complementary

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



46, 11.111, 20.773



52, 9.783, 198.432

Rectangle

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



46, 11.111, 20.773



46, 11.111, 70.773



46, 11.111, 200.773



46, 11.111, 250.773

Sweetspot

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



46, 11.110, 20.780



66, 3.898, 19.648



47, 18.497, 325.493



34, 2.579, 19.690



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, 11.110, 20.780



57, 16.714, 21.195



50, 9.423, 73.010



25, 2.951, 19.880



25, 61.100, 38.348



0, 0.000, 0.000

Inverse Universe

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



52, 9.783, 198.432



66, 14.279, 198.225



48, 8.955, 258.202



26, 2.793, 199.022



48, 29.975, 196.395



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 11.111, 20.773 looks on a white background.

Color Contrast Check

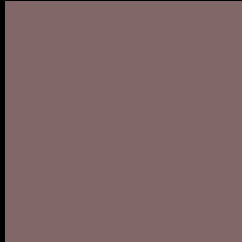
Large Text (above 18pt) WCAG AA ✓ Pass

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, 11.111, 20.773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

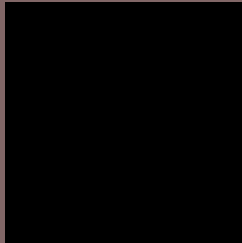
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 11.111, 20.773

Background



This preview shows how black text looks on a background with the CIELCh color 46, 11.111, 20.773.



This preview shows how white text looks on a background with the CIELCh color 46, 11.111, 20.773.

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, 11.111, 20.773

Protanopia

46, 2.155, 74.695

Deuteranopia

46, 7.458, 33.923



Tritanopia
46, 12.592, 359.076

Trichromacy



Original Color
46, 11.111, 20.773

Protanomaly
46, 4.760, 34.225

Deuteranomaly
46, 8.621, 28.252

Tritanomaly
46, 12.155, 6.976

Monochromacy



Original Color
46, 11.111, 20.773

Achromatopsia
47, 0.006, 296.813

Achromatomaly
46, 3.733, 19.761

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 11.111, 20.773 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, 103, 103)` looks like.

```
.text, #text, p{  
    color:rgb(129, 103, 103)  
}
```

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, 103, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 103, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 11.111, 20.773 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, 103, 103) }
```

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

```
.border{ border-color:rgb(129, 103, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 103, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 103, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 103, 103);  
box-shadow:4px 4px 4px 4px rgb(129, 103,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 11.111, 20.773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 103, 103) }
```

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

```
.background{ background-color: rgb(129,  
103, 103) }
```

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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