

Converting Colors

CIELCh(46, 12.983, 112.808)

Have a look what the booklet for
CIELCh(46, 12.983, 112.808)
contains.

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Color

CIELCh(46, 12.985, 112.200)

Conversions

Conversions Part 1

Format	Color
Hex	6D6F59
RGB	109, 111, 89
RGB Percent	43%, 44%, 35%
CMY	0.5735, 0.5657, 0.6519
CMYK	0.02, 0.00, 0.20, 0.57
HSL	65°, 11%, 39%
HSV	65°, 20%, 43%
XYZ	13.7277, 15.2687, 11.6229
YIQ	107.8940, 5.8700, -7.2660

Conversions

Conversions Part 2

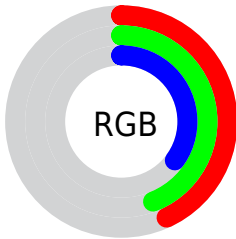
Format	Color
R _Y B	89, 111, 91
Decimal	7171929
CIE Lab	46.00, -4.91, 12.02
CIE LCh	46, 12.985, 112.200
Yxy	15.2687, 0.3380, 0.3759
Android (android.graphics.Color)	4285362009 (0xFF6D6F59)
YUV	107.8940, -9.3147, 0.9700
Hunter-Lab	39.0751, -5.6717, 9.7168

Details

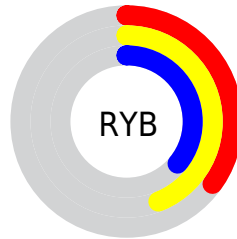
The CIELCh color **46, 12.985, 112.200** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **39, 13.553, 295.530**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 13.227, 112.246**, and **26, 12.954, 111.850** is the 20% darker color. If you saturate the color by 10%, you get **46, 19.431, 111.417**, and if you desaturate by 10%, it is **46, 6.462, 112.991**.

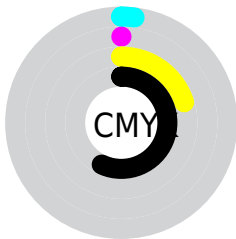
Distribution



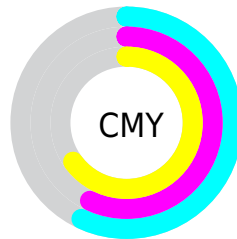
- Red (43%)
- Green (44%)
- Blue (35%)



- Red (35%)
- Yellow (44%)
- Blue (36%)



- Cyan (2%)
- Magenta (0%)
- Yellow (20%)
- Black (57%)




- Cyan (57%)
- Magenta (57%)
- Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 12.985, 112.200 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, 12.985, 112.200 by changing the saturation by 10% instead.

 46, 12.985,
112.200


 46, 12.985,
112.200


 100, 12.985,
112.200


 36, 12.985,
112.200

 66, 12.985,
112.200


 26, 12.985,
112.200

 76, 12.985,
112.200

 16, 12.985,
112.200


 86, 12.985,
112.200

 6, 12.985, 112.200

 96, 12.985,
112.200

 0, 12.985, 112.200

 46, 12.985,

 46, 12.985,

112.200

112.200

■ 46, 19.431,
111.417

■ 46, 6.462, 112.991

■ 45, 25.734,
110.647

■ 47, 0.100, 293.962

■ 47, 6.672, 294.526

■ 45, 31.803,
109.919

■ 48, 13.233,
295.251

■ 45, 37.500,
109.263

■ 48, 19.769,
295.945

■ 45, 42.630,
108.723

■ 49, 26.268,
296.605

■ 45, 46.934,
108.352

■ 49, 32.723,
297.229

■ 44, 50.137,
108.204

■ 50, 39.126,
297.817

■ 44, 52.666,
108.182

■ 50, 45.472,

■ 44, 52.704,
108.181

298.370

Harmonies

Complementary

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



46, 12.985, 112.200



39, 13.553, 295.530

Rectangle

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



46, 12.985, 112.200



46, 12.985, 162.200



46, 12.985, 292.200



46, 12.985, 342.200

Sweetspot

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



46, 12.986, 112.204



59, 4.845, 113.278



40, 8.918, 27.661



30, 3.191, 113.244



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



46, 12.986, 112.204



58, 19.293, 111.829



45, 14.147, 131.105



23, 3.726, 113.057



48, 55.759, 108.226



93, 95.286, 108.526

Inverse Universe

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



39, 13.553, 295.530



47, 20.362, 296.037



40, 14.445, 312.737



21, 3.802, 294.500



12, 76.012, 306.738



32, 130.281, 306.513

Previews

White Background



This preview shows how the CIELCh color 46, 12.985, 112.200 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, 12.985, 112.200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

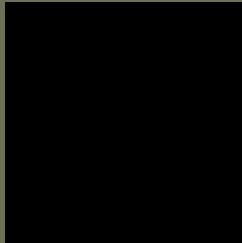
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

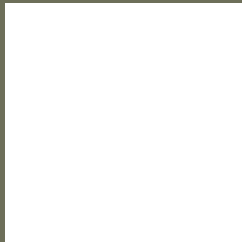
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 12.985, 112.200

Background



This preview shows how black text looks on a background with the CIELCh color 46, 12.985, 112.200.



This preview shows how white text looks on a background with the CIELCh color 46, 12.985, 112.200.

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, 12.985, 112.200

Protanopia

46, 12.673, 96.403

Deuteranopia

46, 12.964, 62.987



Tritanopia
46, 5.745, 311.283

Trichromacy



Original Color
46, 12.985, 112.200

Protanomaly
46, 13.028, 102.558

Deuteranomaly
46, 11.608, 79.185

Tritanomaly
46, 1.705, 63.295

Monochromacy



Original Color
46, 12.985, 112.200

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 4.759, 114.549

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 12.985, 112.200 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(109, 111, 89)` looks like.

```
.text, #text, p{  
    color:rgb(109, 111, 89)  
}
```

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(109, 111, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 111, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 12.985, 112.200 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(109, 111, 89) }
```

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

```
.border{ border-color:rgb(109, 111, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 111, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 111, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 111, 89);  
box-shadow:4px 4px 4px 4px rgb(109, 111,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 12.985, 112.200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 111, 89) }
```

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

```
.background{ background-color: rgb(109,  
111, 89) }
```

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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