

Converting Colors

CIELCh(46, 14.312, 337.702)

Have a look what the booklet for
CIELCh(46, 14.312, 337.702)
contains.

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Color

CIELCh(46, 13.893, 338.217)

Conversions

Conversions Part 1

Format	Color
Hex	7F6676
RGB	127, 102, 118
RGB Percent	50%, 40%, 46%
CMY	0.5027, 0.6007, 0.5380
CMYK	0.00, 0.20, 0.07, 0.50
HSL	322°, 11%, 45%
HSV	322°, 20%, 50%
XYZ	16.7172, 15.2687, 19.1483
YIQ	111.2990, 9.7640, 10.2760

Conversions

Conversions Part 2

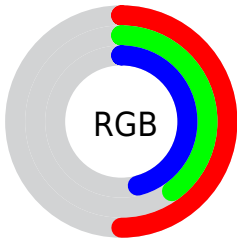
Format	Color
RYB	127, 102, 118
Decimal	8349302
CIELab	46.00, 12.90, -5.16
CIELCh	46, 13.893, 338.217
Yxy	15.2687, 0.3269, 0.2986
Android (android.graphics.Color)	4286539382 (0xFF7F6676)
YUV	111.2990, 3.3036, 13.7698
Hunter-Lab	39.0751, 7.9849, -1.7018

Details

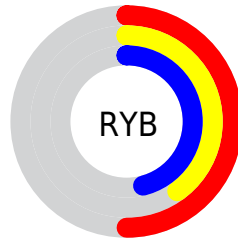
The CIELCh color $46, 13.893, 338.217$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $51, 13.735, 155.348$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 13.940, 338.363$, and $26, 14.074, 338.303$ is the 20% darker color. If you saturate the color by 10%, you get $43, 21.000, 339.028$, and if you desaturate by 10%, it is $50, 6.794, 337.455$.

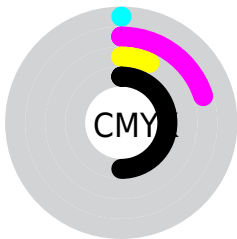
Distribution



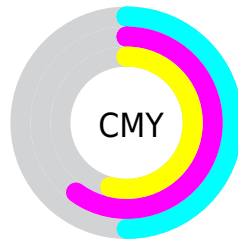
- Red (50%)
- Green (40%)
- Blue (46%)



- Red (50%)
- Yellow (40%)
- Blue (46%)



- Cyan (0%)
- Magenta (20%)
- Yellow (7%)
- Black (50%)





- Cyan (50%)
- Magenta (60%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 46, 13.893, 338.217 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, 13.893, 338.217 by changing the saturation by 10% instead.


 46, 13.893,
338.217


 46, 13.893,
338.217


 100, 13.893,
338.217


 36, 13.893,
338.217

 66, 13.893,
338.217


 26, 13.893,
338.217

 76, 13.893,
338.217

 16, 13.893,
338.217

 86, 13.893,
338.217

 6, 13.893, 338.217

 96, 13.893,
338.217

 0, 13.893, 338.217

 46, 13.893,

 46, 13.893,

338.217

43, 21.000,
339.028

39, 27.977,
339.907

36, 34.619,
340.876

34, 40.657,
341.967

31, 45.772,
343.225

29, 49.642,
344.713

28, 52.031,
346.516

27, 53.383,
348.575

338.217

50, 6.794, 337.455

53, 0.198, 158.091

57, 7.031, 156.188

61, 13.674,
155.564

64, 20.116,
154.988

68, 26.356,
154.450

72, 32.398,
153.946

76, 38.254,
153.472

80, 43.934,

■ 27, 53.425,
348.635

153.026

Harmonies

Complementary

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



46, 13.893, 338.217



51, 13.735, 155.348

Rectangle

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



46, 13.893, 338.217



46, 13.893, 28.217



46, 13.893, 158.217



46, 13.893, 208.217

Sweetspot

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



46, 13.891, 338.218



65, 5.213, 337.181



45, 15.387, 304.760



34, 3.486, 337.222



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, 13.891, 338.218



57, 21.102, 338.605



46, 10.777, 8.952



25, 3.961, 337.410



27, 53.628, 348.650



0, 0.000, 0.000

Inverse Universe

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



46, 13.891, 338.218



57, 21.102, 338.605



51, 9.870, 185.558



25, 3.961, 337.410



27, 53.628, 348.650



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 46, 13.893, 338.217 looks on a white background.

Color Contrast Check

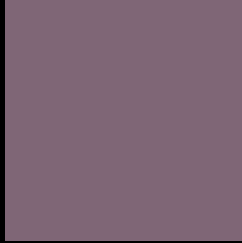
Large Text (above 18pt) WCAG AA ✓ Pass

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, 13.893, 338.217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

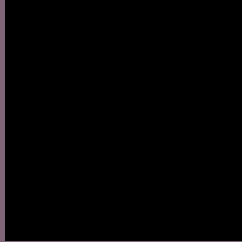
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 13.893, 338.217

Background



This preview shows how black text looks on a background with the CIELCh color 46, 13.893, 338.217.



This preview shows how white text looks on a background with the CIELCh color 46, 13.893, 338.217.

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, 13.893, 338.217

Protanopia

46, 8.330, 288.664

Deuteranopia

46, 7.714, 322.387



Tritanopia
46, 10.647, 354.430

Trichromacy



Original Color
46, 13.893, 338.217

Protanomaly
46, 8.956, 311.988

Deuteranomaly
46, 10.108, 330.861

Tritanomaly
46, 11.176, 348.918

Monochromacy



Original Color
46, 13.893, 338.217

Achromatopsia
47, 0.006, 296.813

Achromatomaly
47, 4.740, 341.294

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 13.893, 338.217 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(127, 102, 118)` looks like.

```
.text, #text, p{  
    color:rgb(127, 102, 118)  
}
```

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(127, 102, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 102, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 13.893, 338.217 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(127, 102, 118) }
```

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

```
.border{ border-color:rgb(127, 102, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 102, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 102, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 102, 118);  
box-shadow:4px 4px 4px 4px rgb(127, 102,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 13.893, 338.217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 102, 118) }
```

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

```
.background{ background-color: rgb(127,  
102, 118) }
```

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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