

Converting Colors

CIELCh(46, 2.272, 316.491)

Have a look what the booklet for
CIELCh(46, 2.272, 316.491) contains.

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Color

CIELCh(46, 2.688, 317.390)

Conversions

Conversions Part 1

Format	Color
Hex	6F6C70
RGB	111, 108, 112
RGB Percent	44%, 42%, 44%
CMY	0.5648, 0.5765, 0.5609
CMYK	0.01, 0.04, 0.00, 0.56
HSL	285°, 2%, 43%
HSV	285°, 4%, 44%
XYZ	14.8371, 15.2687, 17.4886
YIQ	109.3530, 0.5040, 1.8800

Conversions

Conversions Part 2

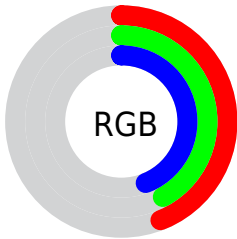
Format	Color
R _Y B	111, 108, 112
Decimal	7302256
CIE Lab	46.00, 1.98, -1.82
CIE LCh	46, 2.688, 317.390
Yxy	15.2687, 0.3117, 0.3208
Android (android.graphics.Color)	4285492336 (0xFF6F6C70)
YUV	109.3530, 1.3050, 1.4444
Hunter-Lab	39.0751, -0.6038, 0.8166

Details

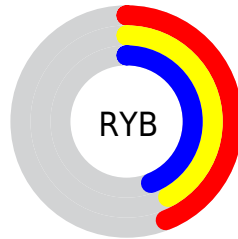
The CIELCh color **46, 2.688, 317.390** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **47, 2.670, 137.195**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 3.180, 318.886**, and **26, 2.171, 314.802** is the 20% darker color. If you saturate the color by 10%, you get **43, 10.299, 317.829**, and if you desaturate by 10%, it is **49, 4.767, 137.070**.

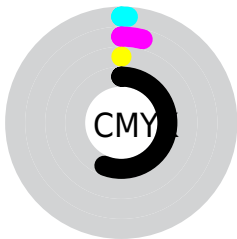
Distribution



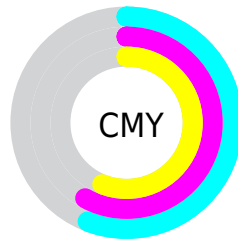
- Red (44%)
- Green (42%)
- Blue (44%)



- Red (44%)
- Yellow (42%)
- Blue (44%)



- Cyan (1%)
- Magenta (4%)
- Yellow (0%)
- Black (56%)



- Cyan (56%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 2.688, 317.390 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, 2.688, 317.390 by changing the saturation by 10% instead.

■ 46, 2.688, 317.390

■ 46, 2.688, 317.390

■ 100, 2.688,
317.390

■ 36, 2.688, 317.390

■ 66, 2.688, 317.390

■ 26, 2.688, 317.390

■ 76, 2.688, 317.390

■ 16, 2.688, 317.390

■ 86, 2.688, 317.390

■ 6, 2.688, 317.390

■ 96, 2.688, 317.390

■ 0, 2.688, 317.390

■ 46, 2.688, 317.390

■ 46, 2.688, 317.390

■ 43, 10.299,
317.829

■ 49, 4.767, 137.070

■ 39, 18.023,

■ 53, 12.036,
136.685

318.250

56, 19.110,
136.337

36, 25.784,
318.663

60, 25.985,
136.018

33, 33.462,
319.052

63, 32.665,
135.726

30, 40.882,
319.393

67, 39.154,
135.460

27, 47.801,
319.651

70, 45.461,
135.218

25, 53.910,
319.786

74, 51.596,
135.001

23, 58.868,
319.750

77, 57.566,
134.805

21, 62.441,
319.509

Harmonies

Complementary

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



46, 2.688, 317.390



47, 2.670, 137.195

Rectangle

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



46, 2.688, 317.390



46, 2.688, 7.390



46, 2.688, 137.390



46, 2.688, 187.390

Sweetspot

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



46, 2.687, 317.386



60, 0.934, 317.168



46, 1.791, 276.571



31, 0.536, 317.151



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



46, 2.687, 317.386



59, 3.729, 317.414



46, 2.460, 331.851



23, 2.121, 317.433



22, 67.813, 319.295



48, 116.080, 318.835

Inverse Universe

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



46, 1.752, 359.634



59, 2.434, 359.706



47, 2.448, 151.590



23, 1.385, 359.755



24, 50.740, 23.094



52, 88.732, 26.589

Previews

White Background



This preview shows how the CIELCh color 46, 2.688, 317.390 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, 2.688, 317.390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

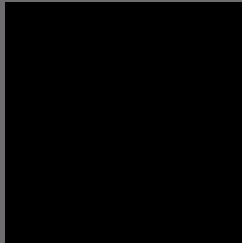
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

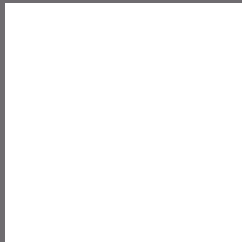
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 2.688, 317.390

Background



This preview shows how black text looks on a background with the CIELCh color 46, 2.688, 317.390.



This preview shows how white text looks on a background with the CIELCh color 46, 2.688, 317.390.

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, 2.688, 317.390

Protanopia

46, 2.527, 309.185

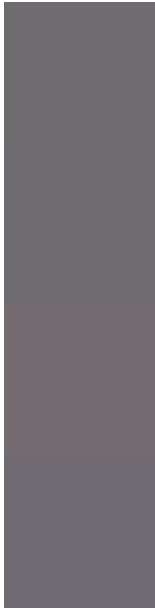
Deuteranopia

46, 6.092, 344.416



Tritanopia
46, 5.745, 311.283

Trichromacy



Original Color

46, 2.688, 317.390

Protanomaly

46, 2.527, 309.185

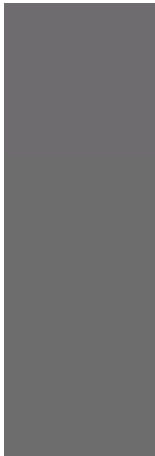
Deuteranomaly

46, 4.436, 337.914

Tritanomaly

46, 5.193, 313.564

Monochromacy



Original Color

46, 2.688, 317.390

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 0.729, 324.261

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 2.688, 317.390 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(111, 108, 112)` looks like.

```
.text, #text, p{  
    color:rgb(111, 108, 112)  
}
```

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(111, 108, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 108, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 2.688, 317.390 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(111, 108, 112) }
```

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

```
.border{ border-color:rgb(111, 108, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 108, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 108, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 108, 112);  
box-shadow:4px 4px 4px 4px rgb(111, 108,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 2.688, 317.390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 108, 112) }
```

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

```
.background{ background-color: rgb(111,  
108, 112) }
```

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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