

Converting Colors

CIELCh(47, 2.113, 352.749)

Have a look what the booklet for
CIELCh(47, 2.113, 352.749) contains.

CIELCh(47, 2.372, 349.656)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(47, 2.372, 349.656)

Conversions

Conversions Part 1

Format	Color
Hex	736E70
RGB	115, 110, 112
RGB Percent	45%, 43%, 44%
CMY	0.5483, 0.5679, 0.5601
CMYK	0.00, 0.04, 0.03, 0.55
HSL	336°, 2%, 44%
HSV	336°, 4%, 45%
XYZ	15.6219, 16.0195, 17.6484
YIQ	111.7230, 2.3380, 1.6820

Conversions

Conversions Part 2

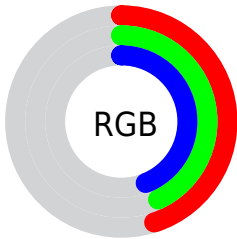
Format	Color
R_{YB}	115, 110, 112
Decimal	7564912
CIE Lab	47.00, 2.33, -0.43
CIE LCh	47, 2.372, 349.656
Yxy	16.0195, 0.3169, 0.3250
Android (android.graphics.Color)	4285754992 (0xFF736E70)
YUV	111.7230, 0.1366, 2.8739
Hunter-Lab	40.0243, -0.3721, 1.8735

Details

The CIELCh color $47, 2.372, 349.656$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $48, 2.345, 169.195$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 2.214, 349.499$, and $27, 1.922, 359.888$ is the 20% darker color. If you saturate the color by 10%, you get $44, 7.947, 350.663$, and if you desaturate by 10%, it is $50, 3.029, 169.082$.

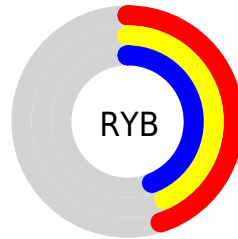
Distribution



Red (45%)

Green (43%)

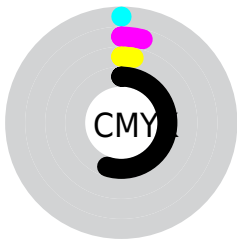
Blue (44%)



Red (45%)

Yellow (43%)

Blue (44%)

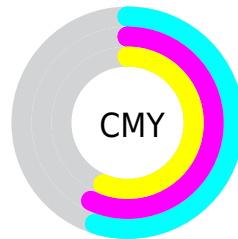


Cyan (0%)

Magenta (4%)

Yellow (3%)

Black (55%)



Cyan (55%)

Magenta (57%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 2.372, 349.656 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 47, 2.372, 349.656 by changing the saturation by 10% instead.

■ 47, 2.372, 349.656

■ 47, 2.372, 349.656

■ 100, 2.372,
349.656

■ 37, 2.372, 349.656

■ 67, 2.372, 349.656

■ 27, 2.372, 349.656

■ 77, 2.372, 349.656

■ 17, 2.372, 349.656

■ 87, 2.372, 349.656

■ 7, 2.372, 349.656

■ 97, 2.372, 349.656

■ 0, 2.372, 349.656

■ 47, 2.372, 349.656

■ 47, 2.372, 349.656

■ 44, 7.947, 350.663

■ 50, 3.029, 169.082

■ 40, 13.659,
351.699

■ 54, 8.233, 168.285

37, 19.433,
352.875

58, 13.238,
167.601

34, 25.148,
354.242

61, 18.050,
166.980

31, 30.630,
355.868

65, 22.678,
166.409

29, 35.650,
357.846

68, 27.135,
165.881

27, 39.949, 0.296

72, 31.434,
165.391

25, 43.300, 3.369

75, 35.589,
164.935

24, 45.669, 7.158

79, 39.612,
164.509

Harmonies

Complementary

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



47, 2.372, 349.656



48, 2.345, 169.195

Rectangle

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



47, 2.372, 349.656



47, 2.372, 39.656



47, 2.372, 169.656



47, 2.372, 219.656

Sweetspot

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



47, 2.371, 349.671



62, 0.680, 348.990



47, 3.216, 312.622



32, 0.390, 348.941



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



47, 2.371, 349.671



60, 3.403, 349.758



47, 1.868, 28.505



24, 1.875, 349.790



25, 49.121, 9.671



53, 83.708, 12.784

Inverse Universe

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



47, 2.371, 349.671



60, 3.403, 349.758



48, 1.820, 208.729



24, 1.875, 349.790



25, 49.121, 9.671



53, 83.708, 12.784

Previews

White Background



This preview shows how the CIELCh color 47, 2.372, 349.656 looks on a white background.

Color Contrast Check

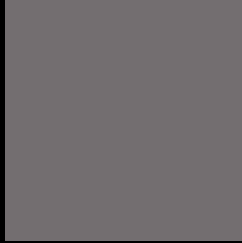
Large Text (above 18pt) WCAG AA ✓ Pass

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 47, 2.372, 349.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

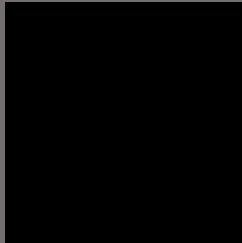
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

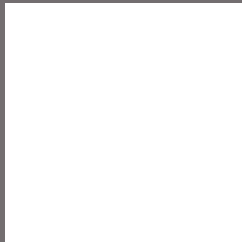
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 2.372, 349.656

Background



This preview shows how black text looks on a background with the CIELCh color 47, 2.372, 349.656.



This preview shows how white text looks on a background with the CIELCh color 47, 2.372, 349.656.

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


47, 2.372, 349.656

Protanopia

47, 1.448, 324.417

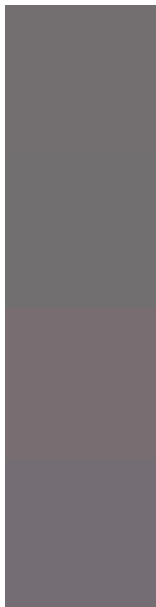
Deuteranopia

47, 6.479, 353.108



Tritanopia
47, 6.058, 318.434

Trichromacy



Original Color

47, 2.372, 349.656

Protanomaly

47, 1.712, 335.704

Deuteranomaly

47, 5.105, 352.453

Tritanomaly

47, 5.046, 324.721

Monochromacy



Original Color

47, 2.372, 349.656

Achromatopsia

47, 0.006, 296.813

Achromatomaly

47, 1.016, 343.524

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 2.372, 349.656 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(115, 110, 112)` looks like.

```
.text, #text, p{  
    color:rgb(115, 110, 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(115, 110, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 110, 112) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 2.372, 349.656 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(115, 110, 112) }
```

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

```
.border{ border-color:rgb(115, 110, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 110, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 110, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 110, 112);  
box-shadow:4px 4px 4px 4px rgb(115, 110,  
112) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 2.372, 349.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 110, 112) }
```

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

```
.background{ background-color: rgb(115,  
110, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor