

Converting Colors

CIELCh(47, 37.226, 7.706)

Have a look what the booklet for
CIELCh(47, 37.226, 7.706) contains.

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Color

CIELCh(47, 37.243, 7.364)

Conversions

Conversions Part 1

Format	Color
Hex	AA5569
RGB	170, 85, 105
RGB Percent	67%, 33%, 41%
CMY	0.3340, 0.6672, 0.5888
CMYK	0.00, 0.50, 0.38, 0.33
HSL	346°, 33%, 50%
HSV	346°, 50%, 67%
XYZ	22.3224, 16.0195, 15.2424
YIQ	112.6950, 44.2400, 24.2400

Conversions

Conversions Part 2

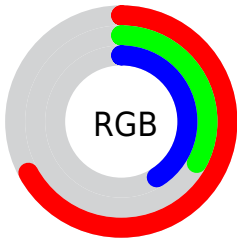
Format	Color
R_{YB}	170, 85, 105
Decimal	11162985
CIE Lab	47.00, 36.94, 4.77
CIE LCh	47, 37.243, 7.364
Yxy	16.0195, 0.4166, 0.2990
Android (android.graphics.Color)	4289353065 (0xFFAA5569)
YUV	112.6950, -3.7936, 50.2565
Hunter-Lab	40.0243, 29.5108, 5.4377

Details

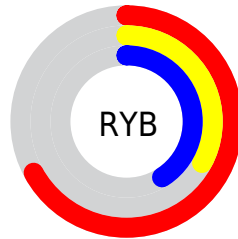
The CIELCh color $47, 37.243, 7.364$ is a dark color, and the websafe version is hex `CC6666`. A complement of this color would be $64, 30.822, 175.495$, and the grayscale version is $47, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 37.289, 7.560$, and $27, 37.307, 7.708$ is the 20% darker color. If you saturate the color by 10%, you get $43, 44.662, 9.754$, and if you desaturate by 10%, it is $51, 29.541, 5.454$.

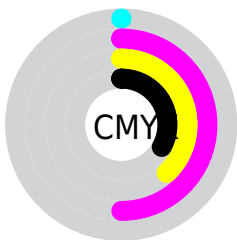
Distribution



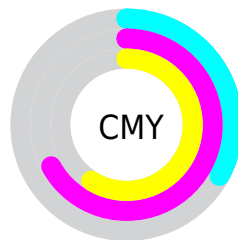
- Red (67%)
- Green (33%)
- Blue (41%)



- Red (67%)
- Yellow (33%)
- Blue (41%)



- Cyan (0%)
- Magenta (50%)
- Yellow (38%)
- Black (33%)



- Cyan (33%)
- Magenta (67%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 37.243, 7.364 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, 37.243, 7.364 by changing the saturation by 10% instead.

 47, 37.243, 7.364  47, 37.243, 7.364

 100, 37.243, 7.364  37, 37.243, 7.364

 67, 37.243, 7.364  27, 37.243, 7.364

 77, 37.243, 7.364  17, 37.243, 7.364

 87, 37.243, 7.364  7, 37.243, 7.364

 97, 37.243, 7.364  0, 37.243, 7.364

 47, 37.243, 7.364  47, 37.243, 7.364

 43, 44.662, 9.754  51, 29.541, 5.454

 40, 51.498, 12.767  55, 21.823, 3.895

 38, 57.469, 16.554  60, 14.268, 2.595

36, 62.457, 21.194

65, 6.984, 1.473

35, 66.823, 26.297

70, 0.028, 344.609

74, 6.587, 179.850

79, 12.862,
179.095

84, 18.818,
178.439

89, 24.479,
177.852

Harmonies

Complementary

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



47, 37.243, 7.364



64, 30.822, 175.495

Rectangle

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



47, 37.243, 7.364



47, 37.243, 57.364



47, 37.243, 187.364



47, 37.243, 237.364

Sweetspot

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



47, 37.241, 7.366



79, 13.135, 2.045



47, 53.778, 319.348



41, 9.075, 2.277



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



47, 37.241, 7.366



56, 55.435, 10.041



51, 32.302, 44.317



33, 3.903, 1.393



30, 60.058, 25.593



1, 6.876, 3.052

Inverse Universe

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



47, 37.241, 7.366



56, 55.435, 10.041



58, 22.705, 230.318



33, 3.903, 1.393



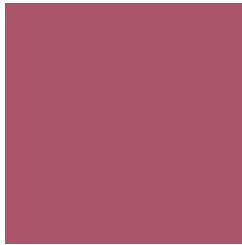
30, 60.058, 25.593



1, 6.876, 3.052

Previews

White Background



This preview shows how the CIELCh color 47, 37.243, 7.364 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, 37.243, 7.364 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

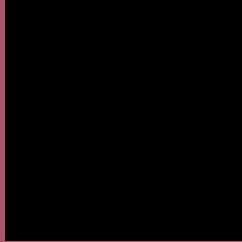
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 37.243, 7.364

Background



This preview shows how black text looks on a background with the CIELCh color 47, 37.243, 7.364.



This preview shows how white text looks on a background with the CIELCh color 47, 37.243, 7.364.

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, 37.243, 7.364

Protanopia

47, 5.350, 295.136

Deuteranopia

47, 9.175, 46.782



Tritanopia
47, 36.171, 19.330

Trichromacy



Original Color
47, 37.243, 7.364

Protanomaly
46, 15.249, 351.296

Deuteranomaly
47, 18.616, 18.252

Tritanomaly
47, 36.341, 14.982

Monochromacy



Original Color
47, 37.243, 7.364

Achromatopsia
48, 0.006, 296.813

Achromatomaly
47, 13.611, 3.623

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 37.243, 7.364 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(170, 85, 105)` looks like.

```
.text, #text, p{  
    color:rgb(170, 85, 105)  
}
```

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(170, 85, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 85, 105) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 37.243, 7.364 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(170, 85, 105) }
```

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

```
.border{ border-color:rgb(170, 85, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 85, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 85, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 85, 105);  
box-shadow:4px 4px 4px 4px rgb(170, 85,  
105) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 37.243, 7.364 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 85, 105) }
```

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

```
.background{ background-color: rgb(170, 85,  
105) }
```

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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