

Converting Colors

CIELCh(47, 43.344, 102.763)

Have a look what the booklet for
CIELCh(47, 43.344, 102.763)
contains.

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Color

CIELCh(47, 43.239, 102.295)

Conversions

Conversions Part 1

Format	Color
Hex	757223
RGB	117, 114, 35
RGB Percent	46%, 45%, 14%
CMY	0.5401, 0.5519, 0.8617
CMYK	0.00, 0.03, 0.70, 0.54
HSL	58°, 54%, 30%
HSV	58°, 70%, 46%
XYZ	13.7291, 16.0195, 3.9797
YIQ	105.8910, 27.1470, -23.9330

Conversions

Conversions Part 2

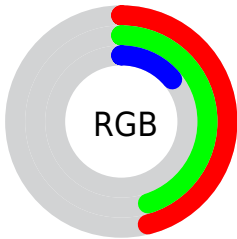
Format	Color
R_{YB}	38, 117, 35
Decimal	7696931
CIE Lab	47.00, -9.21, 42.25
CIE LCh	47, 43.239, 102.295
Yxy	16.0195, 0.4071, 0.4750
Android (android.graphics.Color)	4285887011 (0xFF757223)
YUV	105.8910, -34.9493, 9.7426
Hunter-Lab	40.0243, -8.8135, 22.1217

Details

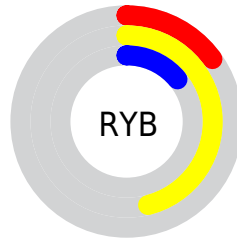
The CIELCh color $47, 43.239, 102.295$ is a dark color, and the websafe version is hex 666600 . A complement of this color would be $20, 52.725, 299.903$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $67, 43.241, 102.717$, and $27, 36.496, 102.939$ is the 20% darker color. If you saturate the color by 10%, you get $47, 47.597, 101.609$, and if you desaturate by 10%, it is $47, 38.019, 103.091$.

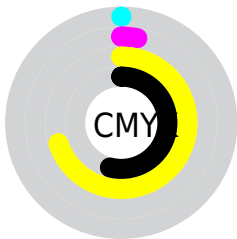
Distribution



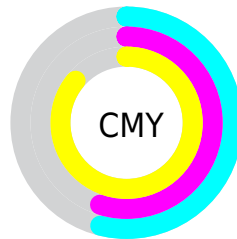
- Red (46%)
- Green (45%)
- Blue (14%)



- Red (15%)
- Yellow (46%)
- Blue (14%)



- Cyan (0%)
- Magenta (3%)
- Yellow (70%)
- Black (54%)





- Cyan (54%)
- Magenta (55%)
- Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 43.239, 102.295 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, 43.239, 102.295 by changing the saturation by 10% instead.


 47, 43.239,
102.295

 47, 43.239,
102.295


 100, 43.239,
102.295


 37, 43.239,
102.295

 67, 43.239,
102.295


 27, 43.239,
102.295

 77, 43.239,
102.295

 17, 43.239,
102.295

 87, 43.239,
102.295

 7, 43.239, 102.295

 97, 43.239,
102.295

 0, 43.239, 102.295

 47, 43.239,

 47, 43.239,

102.295

■ 47, 47.597,
101.609

■ 47, 50.781,
101.051

■ 46, 53.177,
100.583

■ 46, 53.196,
100.580

102.295

■ 47, 38.019,
103.091

■ 48, 32.218,
103.961

■ 48, 26.050,
104.880

■ 48, 19.659,
105.827

■ 49, 13.140,
106.784

■ 49, 6.555, 107.734

■ 49, 0.056, 289.628

■ 50, 6.669, 289.608

■ 50, 13.266,

Harmonies

Complementary

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



47, 43.239, 102.295



20, 52.725, 299.903

Rectangle

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



47, 43.239, 102.295



47, 43.239, 152.295



47, 43.239, 282.295



47, 43.239, 332.295

Sweetspot

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



47, 43.239, 102.297



62, 17.210, 106.630



27, 40.131, 25.988



32, 11.571, 106.427



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, 43.239, 102.297



60, 60.290, 101.245



45, 47.849, 124.512



24, 3.718, 107.818



48, 54.842, 100.569



93, 92.846, 100.438

Inverse Universe

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



20, 52.725, 299.903



22, 79.112, 303.381



23, 53.747, 310.961



22, 3.789, 289.586



13, 75.728, 305.567



32, 130.336, 305.984

Previews

White Background



This preview shows how the CIELCh color 47, 43.239, 102.295 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 47, 43.239, 102.295 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

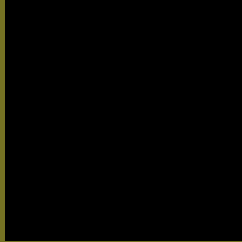
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 43.239, 102.295

Background



This preview shows how black text looks on a background with the CIELCh color 47, 43.239, 102.295.



This preview shows how white text looks on a background with the CIELCh color 47, 43.239, 102.295.

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, 43.239, 102.295

Protanopia

47, 42.887, 95.798

Deuteranopia

47, 42.035, 81.986



Tritanopia
47, 8.426, 346.381

Trichromacy



Original Color
47, 43.239, 102.295

Protanomaly
47, 43.037, 98.428

Deuteranomaly
47, 41.749, 89.559

Tritanomaly
47, 15.131, 87.502

Monochromacy



Original Color
47, 43.239, 102.295

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 17.076, 106.251

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 43.239, 102.295 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(117, 114, 35)` looks like.

```
.text, #text, p{  
    color:rgb(117, 114, 35)  
}
```

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(117, 114, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 114, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 43.239, 102.295 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(117, 114, 35) }
```

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

```
.border{ border-color:rgb(117, 114, 35) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 114, 35)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 114, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 114, 35);  
box-shadow:4px 4px 4px 4px rgb(117, 114,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 43.239, 102.295 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 114, 35) }
```

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

```
.background{ background-color: rgb(117,  
114, 35) }
```

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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