

Converting Colors

CIELCh(47, 39.450, 65.615)

Have a look what the booklet for
CIELCh(47, 39.450, 65.615) contains.

CIELCh(47, 39.197, 65.784)	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, 39.197, 65.784)

Conversions

Conversions Part 1

Format	Color
Hex	986433
RGB	152, 100, 51
RGB Percent	60%, 39%, 20%
CMY	0.4041, 0.6079, 0.8001
CMYK	0.00, 0.34, 0.66, 0.40
HSL	29°, 50%, 40%
HSV	29°, 66%, 60%
XYZ	18.0937, 16.0195, 5.2670
YIQ	109.9620, 46.7210, -4.2150

Conversions

Conversions Part 2

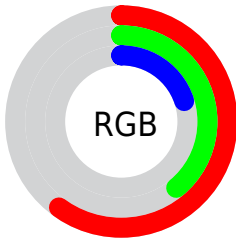
Format	Color
R_{YB}	152, 146, 51
Decimal	9987123
CIE _{Lab}	47.00, 16.08, 35.75
CIE _{LCh}	47, 39.197, 65.784
Yxy	16.0195, 0.4595, 0.4068
Android (android.graphics.Color)	4288177203 (0xFF986433)
YUV	109.9620, -29.0683, 36.8673
Hunter-Lab	40.0243, 10.6518, 20.2147

Details

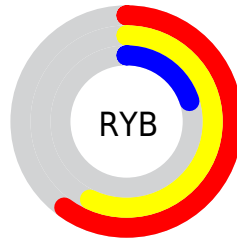
The CIELCh color **47, 39.197, 65.784** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **42, 31.877, 267.992**, and the grayscale version is **47, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 39.177, 66.115**, and **27, 39.047, 65.545** is the 20% darker color. If you saturate the color by 10%, you get **45, 45.631, 64.421**, and if you desaturate by 10%, it is **49, 32.674, 67.041**.

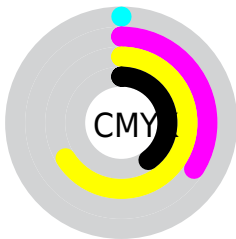
Distribution



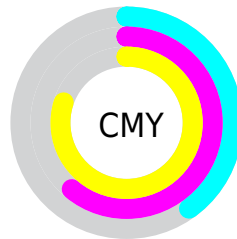
- Red (60%)
- Green (39%)
- Blue (20%)



- Red (60%)
- Yellow (57%)
- Blue (20%)



- Cyan (0%)
- Magenta (34%)
- Yellow (66%)
- Black (40%)



- Cyan (40%)
- Magenta (61%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 39.197, 65.784 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, 39.197, 65.784 by changing the saturation by 10% instead.

■ 47, 39.197, 65.784

■ 47, 39.197, 65.784

■ 100, 39.197,
65.784

■ 37, 39.197, 65.784

■ 67, 39.197, 65.784

■ 27, 39.197, 65.784

■ 77, 39.197, 65.784

■ 17, 39.197, 65.784

■ 87, 39.197, 65.784

■ 7, 39.197, 65.784

■ 97, 39.197, 65.784

■ 0, 39.197, 65.784

■ 47, 39.197, 65.784

■ 47, 39.197, 65.784

■ 45, 45.631, 64.421

■ 49, 32.674, 67.041

■ 43, 51.537, 62.775

■ 51, 26.287, 68.253

41, 56.336, 60.646

54, 20.137, 69.455

40, 58.099, 60.013

56, 14.260, 70.650

59, 8.657, 71.830

61, 3.315, 72.954

64, 1.787, 254.382

66, 6.671, 255.388

69, 11.361,
256.469

Harmonies

Complementary

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



47, 39.197, 65.784



42, 31.877, 267.992

Rectangle

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



47, 39.197, 65.784



47, 39.197, 115.784



47, 39.197, 245.784



47, 39.197, 295.784

Sweetspot

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



47, 39.196, 65.788



73, 13.087, 71.369



38, 47.803, 350.500



38, 9.056, 71.063



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



47, 39.196, 65.788



56, 58.924, 63.632



61, 51.906, 103.453



31, 2.937, 72.657



37, 54.713, 60.303



2, 3.103, 72.889

Inverse Universe

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



42, 31.877, 267.992



49, 46.625, 273.804



28, 63.163, 300.168



31, 2.871, 255.015



31, 43.971, 281.457



2, 3.140, 254.755

Previews

White Background



This preview shows how the CIELCh color 47, 39.197, 65.784 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, 39.197, 65.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

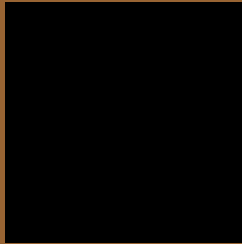
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 39.197, 65.784

Background



This preview shows how black text looks on a background with the CIELCh color 47, 39.197, 65.784.



This preview shows how white text looks on a background with the CIELCh color 47, 39.197, 65.784.

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, 39.197, 65.784

Protanopia

47, 33.176, 95.731

Deuteranopia

47, 36.945, 79.771



Tritanopia
47, 26.633, 14.423

Trichromacy



Original Color
47, 39.197, 65.784

Protanomaly
47, 33.840, 84.081

Deuteranomaly
47, 37.441, 74.376

Tritanomaly
47, 28.045, 38.111

Monochromacy



Original Color
47, 39.197, 65.784

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 13.214, 69.048

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 39.197, 65.784 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(152, 100, 51)` looks like.

```
.text, #text, p{  
    color:rgb(152, 100, 51)  
}
```

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(152, 100, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 100, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 39.197, 65.784 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(152, 100, 51) }
```

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

```
.border{ border-color:rgb(152, 100, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 100, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 100, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 100, 51);  
box-shadow:4px 4px 4px 4px rgb(152, 100,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 39.197, 65.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 100, 51) }
```

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

```
.background{ background-color: rgb(152,  
100, 51) }
```

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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