

Converting Colors

CIELCh(57, 47.232, 87.852)

Have a look what the booklet for
CIELCh(57, 47.232, 87.852) contains.

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Color

CIELCh(57, 47.211, 87.907)

Conversions

Conversions Part 1

Format	Color
Hex	A38633
RGB	163, 134, 51
RGB Percent	64%, 53%, 20%
CMY	0.3624, 0.4760, 0.8015
CMYK	0.00, 0.18, 0.69, 0.36
HSL	44°, 53%, 42%
HSV	44°, 69%, 64%
XYZ	24.0798, 24.9227, 6.6299
YIQ	133.2090, 43.9270, -19.6650

Conversions

Conversions Part 2

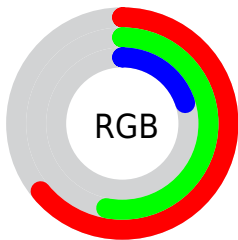
Format	Color
R_{YB}	90, 163, 51
Decimal	10716723
CIE _{Lab}	57.00, 1.72, 47.18
CIE _{LCh}	57, 47.211, 87.907
Yxy	24.9227, 0.4328, 0.4480
Android (android.graphics.Color)	4288906803 (0xFFA38633)
YUV	133.2090, -40.5290, 26.1267
Hunter-Lab	49.9226, -1.2664, 27.0719

Details

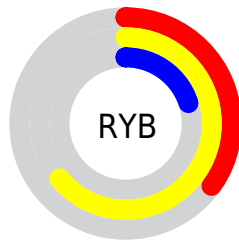
The CIELCh color **57, 47.211, 87.907** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **36, 51.366, 290.268**, and the grayscale version is **56, 0.007, 296.813**.

A 20% lighter version of the original color is **77, 47.142, 87.750**, and **37, 45.343, 87.630** is the 20% darker color. If you saturate the color by 10%, you get **56, 52.745, 86.454**, and if you desaturate by 10%, it is **58, 40.847, 89.286**.

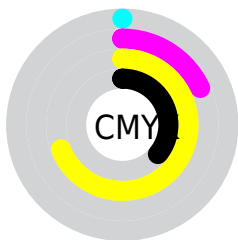
Distribution



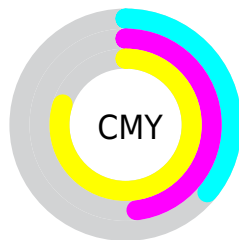
- Red (64%)
- Green (53%)
- Blue (20%)



- Red (35%)
- Yellow (64%)
- Blue (20%)



- Cyan (0%)
- Magenta (18%)
- Yellow (69%)
- Black (36%)



- Cyan (36%)
- Magenta (48%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 57, 47.211, 87.907 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 57, 47.211, 87.907 by changing the saturation by 10% instead.

■ 57, 47.211, 87.907

■ 57, 47.211, 87.907

■ 100, 47.211,
87.907

■ 47, 47.211, 87.907

■ 77, 47.211, 87.907

■ 37, 47.211, 87.907

■ 87, 47.211, 87.907

■ 27, 47.211, 87.907

■ 97, 47.211, 87.907

■ 17, 47.211, 87.907

■ 7, 47.211, 87.907

■ 0, 47.211, 87.907

■ 57, 47.211, 87.907

■ 57, 47.211, 87.907

■ 56, 52.745, 86.454

■ 58, 40.847, 89.286

■ 55, 56.897, 84.849

■ 60, 34.050, 90.616

53, 59.463, 83.050

61, 27.062, 91.913

53, 59.755, 82.850

62, 20.024, 93.178

64, 13.014, 94.409

65, 6.072, 95.593

67, 0.784, 276.988

69, 7.545, 277.912

70, 14.211,
278.967

Harmonies

Complementary

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



57, 47.211, 87.907



36, 51.366, 290.268

Rectangle

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



57, 47.211, 87.907



57, 47.211, 137.907



57, 47.211, 267.907



57, 47.211, 317.907

Sweetspot

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



57, 47.211, 87.910



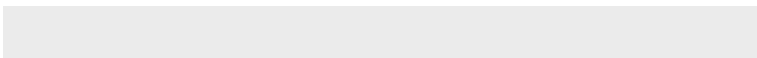
81, 17.988, 94.101



39, 48.880, 9.819



43, 12.291, 93.780



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



57, 47.211, 87.910



70, 67.307, 85.564



63, 58.326, 115.460



34, 3.889, 95.546



48, 55.083, 83.069



4, 5.697, 92.707

Inverse Universe

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



36, 51.366, 290.268



40, 78.462, 295.209



31, 69.737, 305.677



32, 3.916, 277.804



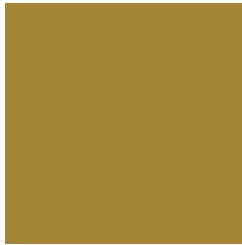
22, 70.412, 299.644



1, 6.201, 278.267

Previews

White Background



This preview shows how the CIELCh color 57, 47.211, 87.907 looks on a white 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

Black Background



This preview shows how the CIELCh color 57, 47.211, 87.907 looks on a black 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

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

CIELCh 57, 47.211, 87.907

Background



This preview shows how black text looks on a background with the CIELCh color 57, 47.211, 87.907.



This preview shows how white text looks on a background with the CIELCh color 57, 47.211, 87.907.

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

57, 47.211, 87.907

Protanopia

57, 46.465, 95.410

Deuteranopia

57, 47.388, 80.761



Tritanopia
57, 18.654, 3.944

Trichromacy



Original Color
57, 47.211, 87.907

Protanomaly
57, 46.869, 93.108

Deuteranomaly
57, 47.392, 83.157

Tritanomaly
57, 22.167, 58.149

Monochromacy



Original Color
57, 47.211, 87.907

Achromatopsia
56, 0.007, 296.813

Achromatomaly
56, 17.724, 92.573

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 57, 47.211, 87.907 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(163, 134, 51)` looks like.

```
.text, #text, p{  
    color:rgb(163, 134, 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(163, 134, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 134, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 57, 47.211, 87.907 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(163, 134, 51) }
```

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

```
.border{ border-color:rgb(163, 134, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 134, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 134, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 134, 51);  
box-shadow:4px 4px 4px 4px rgb(163, 134,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 57, 47.211, 87.907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 134, 51) }
```

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

```
.background{ background-color: rgb(163,  
134, 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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