

Converting Colors

CIELCh(67, 45.045, 96.102)

Have a look what the booklet for
CIELCh(67, 45.045, 96.102) contains.

CIELCh(67, 44.973, 95.783)	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(67, 44.973, 95.783)

Conversions

Conversions Part 1

Format	Color
Hex	B4A350
RGB	180, 163, 80
RGB Percent	71%, 64%, 31%
CMY	0.2928, 0.3595, 0.6851
CMYK	0.00, 0.09, 0.55, 0.29
HSL	50°, 40%, 51%
HSV	50°, 55%, 71%
XYZ	33.5112, 36.6320, 12.9514
YIQ	158.6210, 36.7750, -22.2090

Conversions

Conversions Part 2

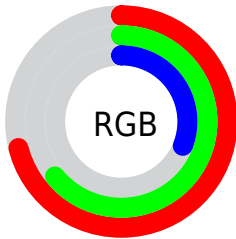
Format	Color
RYB	100, 180, 80
Decimal	11838288
CIELab	67.00, -4.53, 44.74
CIELCh	67, 44.973, 95.783
Yxy	36.6320, 0.4033, 0.4408
Android (android.graphics.Color)	4290028368 (0xFFB4A350)
YUV	158.6210, -38.7602, 18.7494
Hunter-Lab	60.5244, -7.0854, 29.6798

Details

The CIELCh color **67, 44.973, 95.783** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **44, 49.661, 291.509**, and the grayscale version is **66, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 44.912, 95.811**, and **47, 44.948, 95.875** is the 20% darker color. If you saturate the color by 10%, you get **66, 52.202, 94.612**, and if you desaturate by 10%, it is **68, 37.193, 96.962**.

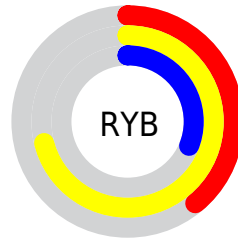
Distribution



Red (71%)

Green (64%)

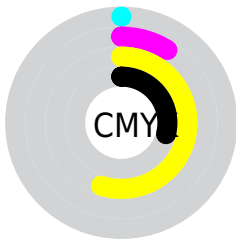
Blue (31%)



Red (39%)

Yellow (71%)

Blue (31%)

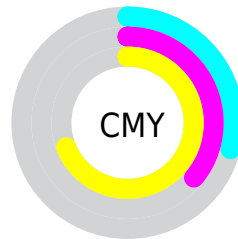


Cyan (0%)

Magenta (9%)

Yellow (55%)

Black (29%)



Cyan (29%)

Magenta (36%)

Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 44.973, 95.783 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 67, 44.973, 95.783 by changing the saturation by 10% instead.

■ 67, 44.973, 95.783

■ 67, 44.973, 95.783

■ 100, 44.973,
95.783

■ 57, 44.973, 95.783

■ 87, 44.973, 95.783

■ 47, 44.973, 95.783

■ 97, 44.973, 95.783

■ 37, 44.973, 95.783

■ 27, 44.973, 95.783

■ 17, 44.973, 95.783

■ 7, 44.973, 95.783

■ 0, 44.973, 95.783

■ 67, 44.973, 95.783

■ 67, 44.973, 95.783

■ 66, 52.202, 94.612

■ 68, 37.193, 96.962

65, 58.473, 93.440

69, 29.122, 98.134

64, 63.237, 92.254

70, 20.922, 99.293

63, 65.971, 91.016

71, 12.686,
100.429

63, 66.850, 90.449

73, 4.469, 101.520

74, 3.701, 282.660

75, 11.807,
283.671

77, 19.839,
284.657

78, 27.796,
285.601

Harmonies

Complementary

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



67, 44.973, 95.783



44, 49.661, 291.509

Rectangle

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



67, 44.973, 95.783



67, 44.973, 145.783



67, 44.973, 275.783



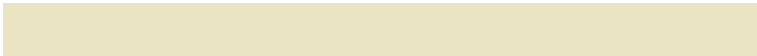
67, 44.973, 325.783

Sweetspot

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



67, 44.974, 95.786



90, 17.271, 100.225



48, 43.405, 12.642



48, 11.548, 100.003



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



67, 44.974, 95.786



84, 65.744, 94.300



69, 53.691, 119.484



37, 4.596, 101.109



54, 59.284, 90.629



7, 10.287, 97.664

Inverse Universe

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



44, 49.661, 291.509



49, 75.960, 294.820



42, 60.606, 306.520



35, 4.657, 283.232



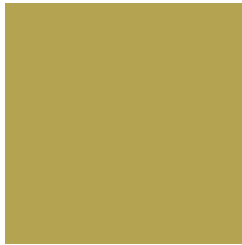
20, 81.441, 303.001



2, 11.614, 284.235

Previews

White Background



This preview shows how the CIELCh color 67, 44.973, 95.783 looks on a white background.

Color Contrast Check

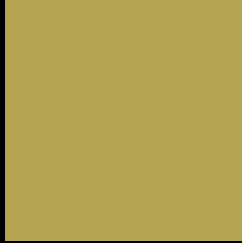
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIE LCh color 67, 44.973, 95.783 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 ✓ Pass

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

CIELCh 67, 44.973, 95.783

Background



This preview shows how black text looks on a background with the CIELCh color 67, 44.973, 95.783.



This preview shows how white text looks on a background with the CIELCh color 67, 44.973, 95.783.

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

67, 44.973, 95.783

Protanopia

67, 44.973, 95.783

Deuteranopia

67, 45.166, 78.581



Tritanopia
67, 14.675, 354.139

Trichromacy



Original Color
67, 44.973, 95.783

Protanomaly
67, 44.973, 95.783

Deuteranomaly
67, 44.650, 85.096

Tritanomaly
67, 16.851, 65.638

Monochromacy



Original Color
67, 44.973, 95.783

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 17.224, 100.147

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 44.973, 95.783 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(180, 163, 80)` looks like.

```
.text, #text, p{  
    color:rgb(180, 163, 80)  
}
```

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(180, 163, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 163, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 44.973, 95.783 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(180, 163, 80) }
```

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

```
.border{ border-color:rgb(180, 163, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 163, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 163, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 163, 80);  
box-shadow:4px 4px 4px 4px rgb(180, 163,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 44.973, 95.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 163, 80) }
```

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

```
.background{ background-color: rgb(180,  
163, 80) }
```

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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