

Converting Colors

CIELCh(67, 58.989, 95.560)

Have a look what the booklet for
CIELCh(67, 58.989, 95.560) contains.

CIELCh(67, 58.995, 95.589)	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, 58.995, 95.589)

Conversions

Conversions Part 1

Format	Color
Hex	B7A431
RGB	183, 164, 49
RGB Percent	72%, 64%, 19%
CMY	0.2841, 0.3585, 0.8096
CMYK	0.00, 0.10, 0.73, 0.28
HSL	52°, 58%, 45%
HSV	52°, 73%, 72%
XYZ	33.1669, 36.6320, 8.1795
YIQ	156.5710, 48.2390, -31.7370

Conversions

Conversions Part 2

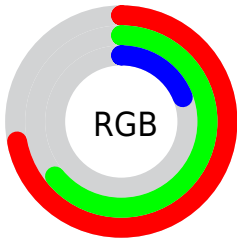
Format	Color
R_{YB}	71, 183, 49
Decimal	12035121
CIE _{Lab}	67.00, -5.75, 58.71
CIE _{LCh}	67, 58.995, 95.589
Yxy	36.6320, 0.4253, 0.4698
Android (android.graphics.Color)	4290225201 (0xFFB7A431)
YUV	156.5710, -53.0325, 23.1782
Hunter-Lab	60.5244, -8.1010, 34.3544

Details

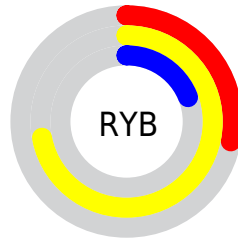
The CIELCh color **67, 58.995, 95.589** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **34, 70.967, 297.543**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 59.117, 95.724**, and **47, 53.574, 96.003** is the 20% darker color. If you saturate the color by 10%, you get **66, 64.134, 94.532**, and if you desaturate by 10%, it is **68, 52.404, 96.676**.

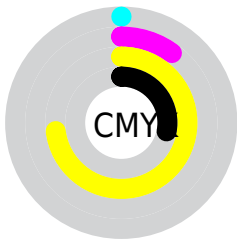
Distribution



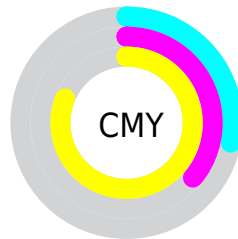
- Red (72%)
- Green (64%)
- Blue (19%)



- Red (28%)
- Yellow (72%)
- Blue (19%)



- Cyan (0%)
- Magenta (10%)
- Yellow (73%)
- Black (28%)



- Cyan (28%)
- Magenta (36%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 58.995, 95.589 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, 58.995, 95.589 by changing the saturation by 10% instead.

67, 58.995, 95.589

67, 58.995, 95.589

100, 58.995,
95.589

57, 58.995, 95.589

87, 58.995, 95.589

47, 58.995, 95.589

97, 58.995, 95.589

37, 58.995, 95.589

27, 58.995, 95.589

17, 58.995, 95.589

7, 58.995, 95.589

0, 58.995, 95.589

67, 58.995, 95.589

67, 58.995, 95.589

66, 64.134, 94.532

68, 52.404, 96.676

65, 67.283, 93.478

69, 44.883, 97.785

65, 68.516, 92.780

70, 36.819, 98.909

71, 28.461,
100.037

72, 19.965,
101.157

73, 11.421,
102.257

74, 2.885, 103.304

75, 5.614, 284.410

76, 14.057,
285.403

Harmonies

Complementary

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



67, 58.995, 95.589



34, 70.967, 297.543

Rectangle

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



67, 58.995, 95.589



67, 58.995, 145.589



67, 58.995, 275.589



67, 58.995, 325.589

Sweetspot

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



67, 58.995, 95.592



91, 23.220, 101.272



42, 58.098, 20.808



48, 15.728, 100.972



97, 0.011, 296.813



50, 0.007, 296.813

Same Dimension

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



67, 58.995, 95.592



83, 80.675, 93.893



69, 68.834, 120.563



38, 4.847, 102.694



56, 60.939, 92.919



8, 12.369, 99.673

Inverse Universe

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



34, 70.967, 297.543



37, 106.363, 301.816



34, 80.906, 308.732



36, 4.921, 284.772



20, 84.740, 303.813



2, 13.794, 285.763

Previews

White Background



This preview shows how the CIELCh color 67, 58.995, 95.589 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, 58.995, 95.589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

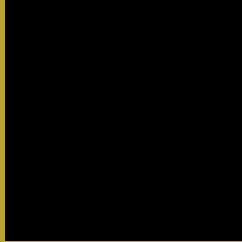
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 67, 58.995, 95.589

Background



This preview shows how black text looks on a background with the CIELCh color 67, 58.995, 95.589.



This preview shows how white text looks on a background with the CIELCh color 67, 58.995, 95.589.

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, 58.995, 95.589

Protanopia

67, 58.686, 95.098

Deuteranopia

67, 58.656, 81.707



Tritanopia
67, 16.466, 357.468

Trichromacy



Original Color
67, 58.995, 95.589

Protanomaly
67, 58.686, 95.098

Deuteranomaly
67, 58.172, 86.760

Tritanomaly
67, 23.288, 72.655

Monochromacy



Original Color
67, 58.995, 95.589

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 23.269, 100.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 58.995, 95.589 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(183, 164, 49)` looks like.

```
.text, #text, p{  
    color:rgb(183, 164, 49)  
}
```

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(183, 164, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 164, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 58.995, 95.589 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(183, 164, 49) }
```

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

```
.border{ border-color:rgb(183, 164, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 164, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 164, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 164, 49);  
box-shadow:4px 4px 4px 4px rgb(183, 164,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 58.995, 95.589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 164, 49) }
```

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

```
.background{ background-color: rgb(183,  
164, 49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor