

Converting Colors

CIELCh(67, 68.038, 94.263)

Have a look what the booklet for
CIELCh(67, 68.038, 94.263) contains.

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Color

CIELCh(67, 68.054, 94.135)

Conversions

Conversions Part 1

Format	Color
Hex	BAA310
RGB	186, 163, 16
RGB Percent	73%, 64%, 6%
CMY	0.2709, 0.3611, 0.9378
CMYK	0.00, 0.12, 0.91, 0.27
HSL	52°, 84%, 40%
HSV	52°, 91%, 73%
XYZ	33.4044, 36.6320, 5.7941
YIQ	153.1190, 60.8950, -40.8410

Conversions

Conversions Part 2

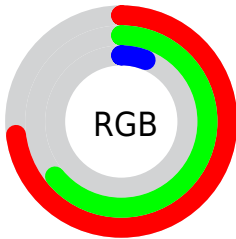
Format	Color
RYB	43, 186, 16
Decimal	12231440
CIELab	67.00, -4.91, 67.88
CIElCh	67, 68.054, 94.135
Yxy	36.6320, 0.4405, 0.4831
Android (android.graphics.Color)	4290421520 (0xFFBAA310)
YUV	153.1190, -67.5997, 28.8366
Hunter-Lab	60.5244, -7.4004, 36.6911

Details

The CIELCh color **67, 68.054, 94.135** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **27, 91.192, 302.524**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **87, 68.373, 94.296**, and **47, 53.464, 94.373** is the 20% darker color. If you saturate the color by 10%, you get **66, 69.701, 93.271**, and if you desaturate by 10%, it is **68, 64.466, 95.156**.

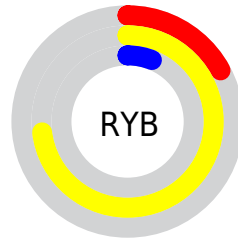
Distribution



Red (73%)

Green (64%)

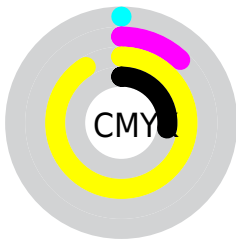
Blue (6%)



Red (17%)

Yellow (73%)

Blue (6%)

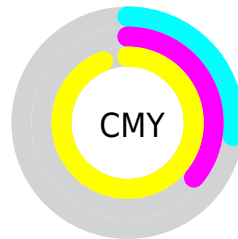


Cyan (0%)

Magenta (12%)

Yellow (91%)

Black (27%)



Cyan (27%)

Magenta (36%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 67, 68.054, 94.135 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, 68.054, 94.135 by changing the saturation by 10% instead.

■ 67, 68.054, 94.135

■ 67, 68.054, 94.135

■ 100, 68.054,
94.135

■ 57, 68.054, 94.135

■ 87, 68.054, 94.135

■ 47, 68.054, 94.135

■ 97, 68.054, 94.135

■ 37, 68.054, 94.135

■ 27, 68.054, 94.135

■ 17, 68.054, 94.135

■ 7, 68.054, 94.135

■ 0, 68.054, 94.135

■ 67, 68.054, 94.135

■ 67, 68.054, 94.135

■ 66, 69.701, 93.271

■ 68, 64.466, 95.156

69, 58.939, 96.195

69, 52.030, 97.267

70, 44.248, 98.367

71, 35.960, 99.483

72, 27.400,
100.603

73, 18.714,
101.714

74, 9.988, 102.803

75, 1.272, 103.790

Harmonies

Complementary

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



67, 68.054, 94.135



27, 91.192, 302.524

Rectangle

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



67, 68.054, 94.135



67, 68.054, 144.135



67, 68.054, 274.135



67, 68.054, 324.135

Sweetspot

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



67, 68.053, 94.137



92, 29.166, 101.052



40, 70.983, 28.909



49, 19.801, 100.670



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



67, 68.053, 94.137



84, 84.902, 93.092



69, 79.346, 121.385



38, 4.879, 103.032



56, 61.162, 93.416



8, 12.486, 100.192

Inverse Universe

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



27, 91.192, 302.524



33, 121.004, 304.560



28, 97.143, 309.204



36, 4.955, 285.099



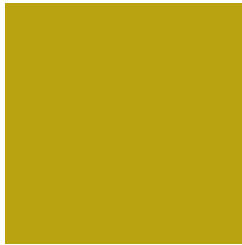
20, 85.196, 303.969



2, 13.863, 285.988

Previews

White Background



This preview shows how the CIELCh color 67, 68.054, 94.135 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 CIELCh color 67, 68.054, 94.135 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, 68.054, 94.135

Background



This preview shows how black text looks on a background with the CIELCh color 67, 68.054, 94.135.



This preview shows how white text looks on a background with the CIELCh color 67, 68.054, 94.135.

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, 68.054, 94.135

Protanopia

67, 68.152, 95.330

Deuteranopia

67, 67.439, 82.790



Tritanopia
67, 18.330, 0.214

Trichromacy



Original Color
67, 68.054, 94.135

Protanomaly
67, 68.224, 94.948

Deuteranomaly
67, 67.378, 86.867

Tritanomaly
66, 30.269, 75.412

Monochromacy



Original Color
67, 68.054, 94.135

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 29.794, 100.300

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 67, 68.054, 94.135 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(186, 163, 16)` looks like.

```
.text, #text, p{  
    color:rgb(186, 163, 16)  
}
```

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(186, 163, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 163, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 67, 68.054, 94.135 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(186, 163, 16) }
```

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

```
.border{ border-color:rgb(186, 163, 16) }
```

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

Here you see how a box with a 4 pixel rgb(186, 163, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 163, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 163, 16);  
box-shadow:4px 4px 4px 4px rgb(186, 163,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 67, 68.054, 94.135 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 163, 16) }
```

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

```
.background{ background-color: rgb(186,  
163, 16) }
```

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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