

Converting Colors

CIELCh(68, 63.975, 93.293)

Have a look what the booklet for
CIELCh(68, 63.975, 93.293) contains.

CIELCh(68, 63.941, 93.285)	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(68, 63.941, 93.285)

Conversions

Conversions Part 1

Format	Color
Hex	BEA525
RGB	190, 165, 37
RGB Percent	75%, 65%, 15%
CMY	0.2551, 0.3531, 0.8551
CMYK	0.00, 0.13, 0.81, 0.26
HSL	50°, 67%, 44%
HSV	50°, 81%, 74%
XYZ	35.0066, 37.9720, 7.2309
YIQ	157.8830, 55.9880, -34.5080

Conversions

Conversions Part 2

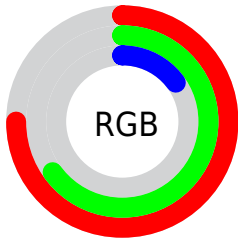
Format	Color
RYB	67, 190, 37
Decimal	12494117
CIELab	68.00, -3.66, 63.84
CIELCh	68, 63.941, 93.285
Yxy	37.9720, 0.4364, 0.4734
Android (android.graphics.Color)	4290684197 (0xFFBEA525)
YUV	157.8830, -59.5953, 28.1666
Hunter-Lab	61.6215, -6.4332, 36.1777

Details

The CIELCh color **68, 63.941, 93.285** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **33, 78.985, 298.689**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 64.047, 93.337**, and **48, 54.291, 93.477** is the 20% darker color. If you saturate the color by 10%, you get **67, 67.805, 92.113**, and if you desaturate by 10%, it is **69, 58.168, 94.442**.

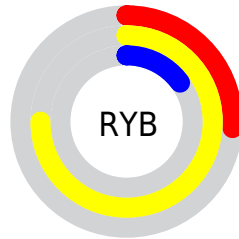
Distribution



Red (75%)

Green (65%)

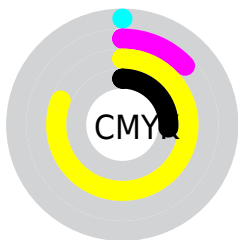
Blue (15%)



Red (26%)

Yellow (75%)

Blue (15%)

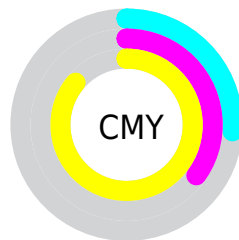


Cyan (0%)

Magenta (13%)

Yellow (81%)

Black (26%)



Cyan (26%)

Magenta (35%)

Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 63.941, 93.285 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 68, 63.941, 93.285 by changing the saturation by 10% instead.

 68, 63.941, 93.285

 68, 63.941, 93.285

 100, 63.941,
93.285

 58, 63.941, 93.285

 88, 63.941, 93.285

 48, 63.941, 93.285

 98, 63.941, 93.285

 38, 63.941, 93.285

 28, 63.941, 93.285

 18, 63.941, 93.285

 8, 63.941, 93.285

 0, 63.941, 93.285

 68, 63.941, 93.285

 68, 63.941, 93.285

 67, 67.805, 92.113

 69, 58.168, 94.442

66, 69.710, 90.960

70, 51.087, 95.599

71, 43.209, 96.764

72, 34.887, 97.932

73, 26.344, 99.094

74, 17.712,
100.239

76, 9.069, 101.355

77, 0.457, 102.172

78, 8.098, 283.532

Harmonies

Complementary

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



68, 63.941, 93.285



33, 78.985, 298.689

Rectangle

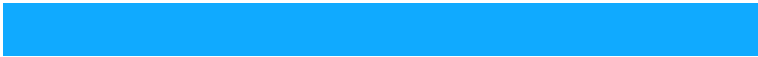
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



68, 63.941, 93.285



68, 63.941, 143.285



68, 63.941, 273.285



68, 63.941, 323.285

Sweetspot

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



68, 63.941, 93.288



94, 25.652, 99.801



42, 64.699, 22.539



50, 17.768, 99.387



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



68, 63.941, 93.288



85, 84.453, 91.122



71, 75.274, 120.008



39, 4.846, 101.485



56, 60.927, 91.146



9, 13.603, 96.905

Inverse Universe

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



33, 78.985, 298.689



36, 117.412, 303.326



32, 90.695, 308.729



37, 4.913, 283.612



21, 84.158, 303.260



2, 15.411, 285.600

Previews

White Background



This preview shows how the CIELCh color 68, 63.941, 93.285 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 68, 63.941, 93.285 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 68, 63.941, 93.285

Background



This preview shows how black text looks on a background with the CIELCh color 68, 63.941, 93.285.



This preview shows how white text looks on a background with the CIELCh color 68, 63.941, 93.285.

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


68, 63.941, 93.285

Protanopia

68, 63.877, 95.359

Deuteranopia

68, 63.843, 81.769



Tritanopia
68, 18.636, 0.659

Trichromacy



Original Color
68, 63.941, 93.285

Protanomaly
68, 63.954, 94.954

Deuteranomaly
68, 63.405, 86.005

Tritanomaly
68, 27.152, 71.206

Monochromacy



Original Color
68, 63.941, 93.285

Achromatopsia
65, 0.008, 296.813

Achromatomaly
66, 26.015, 99.001

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 63.941, 93.285 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(190, 165, 37)` looks like.

```
.text, #text, p{  
    color:rgb(190, 165, 37)  
}
```

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(190, 165, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 165, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 63.941, 93.285 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(190, 165, 37) }
```

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

```
.border{ border-color:rgb(190, 165, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(190, 165, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 165, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 165, 37);  
box-shadow:4px 4px 4px 4px rgb(190, 165,  
37) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 63.941, 93.285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 165, 37) }
```

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

```
.background{ background-color: rgb(190,  
165, 37) }
```

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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