

Converting Colors

CIELCh(65, 43.166, 102.900)

Have a look what the booklet for
CIELCh(65, 43.166, 102.900)
contains.

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Color

CIELCh(65, 43.364, 103.168)

Conversions

Conversions Part 1

Format	Color
Hex	A5A150
RGB	165, 161, 80
RGB Percent	65%, 63%, 31%
CMY	0.3531, 0.3688, 0.6864
CMYK	0.00, 0.02, 0.52, 0.35
HSL	57°, 35%, 48%
HSV	57°, 52%, 65%
XYZ	29.6909, 34.0472, 12.5883
YIQ	152.9620, 28.3850, -24.3430

Conversions

Conversions Part 2

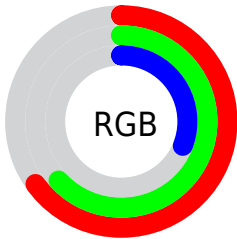
Format	Color
RYB	84, 165, 80
Decimal	10854736
CIELab	65.00, -9.88, 42.22
CIELCh	65, 43.364, 103.168
Yxy	34.0472, 0.3890, 0.4461
Android (android.graphics.Color)	4289044816 (0xFFA5A150)
YUV	152.9620, -35.9703, 10.5573
Hunter-Lab	58.3500, -11.2841, 28.0539

Details

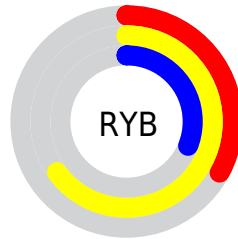
The CIELCh color **65, 43.364, 103.168** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **39, 49.357, 295.897**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 43.718, 103.170**, and **45, 43.577, 103.370** is the 20% darker color. If you saturate the color by 10%, you get **65, 50.767, 102.275**, and if you desaturate by 10%, it is **65, 35.392, 104.124**.

Distribution



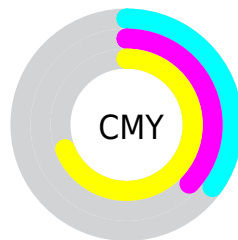
- Red (65%)
- Green (63%)
- Blue (31%)



- Red (33%)
- Yellow (65%)
- Blue (31%)



- Cyan (0%)
- Magenta (2%)
- Yellow (52%)
- Black (35%)





- Cyan (35%)
- Magenta (37%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 43.364, 103.168 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 65, 43.364, 103.168 by changing the saturation by 10% instead.


 65, 43.364,
103.168


 65, 43.364,
103.168


 100, 43.364,
103.168


 55, 43.364,
103.168


 85, 43.364,
103.168

 45, 43.364,
103.168

 95, 43.364,
103.168

 35, 43.364,
103.168

 25, 43.364,
103.168

 15, 43.364,
103.168

 5, 43.364, 103.168

 0, 43.364, 103.168

65, 43.364,
103.168

65, 43.364,
103.168

65, 50.767,
102.275

65, 35.392,
104.124

64, 57.264,
101.464

66, 27.076,
105.109

64, 62.430,
100.769

66, 18.567,
106.107

64, 65.844,
100.210

67, 9.959, 107.100

63, 67.604, 99.820

68, 1.311, 108.034

68, 7.339, 289.056

69, 15.966,
289.976

70, 24.555,
290.864

■ 71, 33.094,
291.713

Harmonies

Complementary

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



65, 43.364, 103.168



39, 49.357, 295.897

Rectangle

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



65, 43.364, 103.168



65, 43.364, 153.168



65, 43.364, 283.168



65, 43.364, 333.168

Sweetspot

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



65, 43.365, 103.171



85, 16.027, 106.729



45, 38.108, 21.663



44, 10.911, 106.531



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



65, 43.365, 103.171



82, 63.023, 102.138



63, 48.197, 124.914



34, 4.846, 107.322



56, 61.634, 99.853



5, 7.456, 107.573

Inverse Universe

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



39, 49.357, 295.897



44, 75.066, 298.473



42, 52.471, 310.115



32, 4.941, 289.209



17, 85.659, 305.535



1, 7.609, 288.427

Previews

White Background



This preview shows how the CIELCh color 65, 43.364, 103.168 looks on a white background.

Color Contrast Check

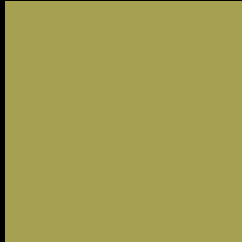
Large Text (above 18pt) WCAG AA × Fail

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 65, 43.364, 103.168 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

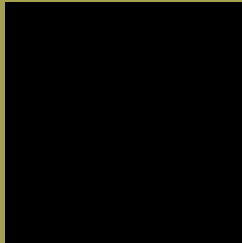
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 43.364, 103.168

Background



This preview shows how black text looks on a background with the CIELCh color 65, 43.364, 103.168.



This preview shows how white text looks on a background with the CIELCh color 65, 43.364, 103.168.

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

65, 43.364, 103.168

Protanopia

65, 43.105, 96.011

Deuteranopia

65, 41.922, 78.545



Tritanopia
65, 10.464, 340.903

Trichromacy



Original Color
65, 43.364, 103.168

Protanomaly
65, 43.269, 98.424

Deuteranomaly
65, 41.399, 87.546

Tritanomaly
65, 13.668, 82.142

Monochromacy



Original Color
65, 43.364, 103.168

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 16.605, 106.945

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 43.364, 103.168 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(165, 161, 80)` looks like.

```
.text, #text, p{  
    color:rgb(165, 161, 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(165, 161, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 161, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 43.364, 103.168 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(165, 161, 80) }
```

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

```
.border{ border-color:rgb(165, 161, 80) }
```

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

Here you see how a box with a 4 pixel rgb(165, 161, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 161, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 161, 80);  
box-shadow:4px 4px 4px 4px rgb(165, 161,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 43.364, 103.168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 161, 80) }
```

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

```
.background{ background-color: rgb(165,  
161, 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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