

Converting Colors

CIELCh(65, 41.869, 108.670)

Have a look what the booklet for
CIELCh(65, 41.869, 108.670)
contains.

CIELCh(65, 41.839, 108.691)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(65, 41.839, 108.691)

Conversions

Conversions Part 1

Format	Color
Hex	9EA355
RGB	158, 163, 85
RGB Percent	62%, 64%, 33%
CMY	0.3810, 0.3614, 0.6672
CMYK	0.03, 0.00, 0.48, 0.36
HSL	64°, 31%, 49%
HSV	64°, 48%, 64%
XYZ	28.7739, 34.0472, 13.6197
YIQ	152.6130, 22.0580, -25.3180

Conversions

Conversions Part 2

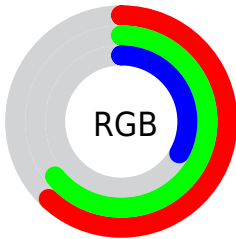
Format	Color
RYB	85, 163, 90
Decimal	10396501
CIELab	65.00, -13.41, 39.63
CIELCh	65, 41.839, 108.691
Yxy	34.0472, 0.3764, 0.4454
Android (android.graphics.Color)	4288586581 (0xFF9EA355)
YUV	152.6130, -33.3332, 4.7244
Hunter-Lab	58.3500, -14.0893, 27.0059

Details

The CIELCh color $65, 41.839, 108.691$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $40, 47.467, 298.581$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 42.141, 108.757$, and $45, 41.559, 108.292$ is the 20% darker color. If you saturate the color by 10%, you get $65, 49.635, 107.971$, and if you desaturate by 10%, it is $65, 33.518, 109.491$.

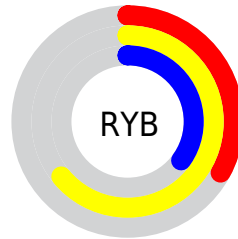
Distribution



Red (62%)

Green (64%)

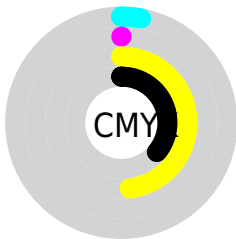
Blue (33%)



Red (33%)

Yellow (64%)

Blue (35%)

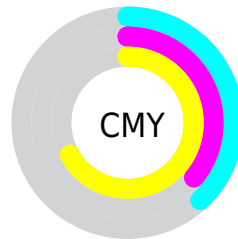


Cyan (3%)

Magenta (0%)

Yellow (48%)

Black (36%)



Cyan (38%)


Magenta (36%)


Yellow (67%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 41.839, 108.691 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, 41.839, 108.691 by changing the saturation by 10% instead.


 65, 41.839,
108.691


 65, 41.839,
108.691


 100, 41.839,
108.691


 55, 41.839,
108.691


 85, 41.839,
108.691

 45, 41.839,
108.691

 95, 41.839,
108.691

 35, 41.839,
108.691

 25, 41.839,
108.691

 15, 41.839,
108.691

 5, 41.839, 108.691

 0, 41.839, 108.691

■ 65, 41.839,
108.691

■ 65, 41.839,
108.691

■ 65, 49.635,
107.971

■ 65, 33.518,
109.491

■ 65, 56.612,
107.367

■ 66, 24.870,
110.329

■ 64, 62.387,
106.934

■ 66, 16.031,
111.184

■ 64, 66.557,
106.727

■ 67, 7.086, 112.036

■ 64, 69.037,
106.756

■ 67, 1.905, 292.898

■ 64, 69.502,
106.768

■ 68, 10.905,
293.699

■ 68, 19.887,
294.482

■ 69, 28.830,
295.231

■ 70, 37.720,
295.942

Harmonies

Complementary

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



65, 41.839, 108.691



40, 47.467, 298.581

Rectangle

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



65, 41.839, 108.691



65, 41.839, 158.691



65, 41.839, 288.691



65, 41.839, 338.691

Sweetspot

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



65, 41.840, 108.694



84, 15.544, 111.495



46, 33.843, 27.835



45, 10.810, 111.318



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, 41.840, 108.694



82, 60.470, 107.960



62, 45.760, 128.623



34, 5.087, 111.919



58, 63.940, 106.732



5, 7.965, 113.485

Inverse Universe

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



40, 47.467, 298.581



45, 71.225, 300.361



44, 48.599, 313.012



32, 5.197, 293.541



16, 87.664, 306.540



0, 7.957, 292.467

Previews

White Background



This preview shows how the CIELCh color 65, 41.839, 108.691 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 65, 41.839, 108.691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

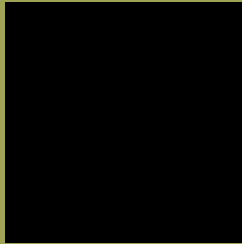
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 41.839, 108.691

Background



This preview shows how black text looks on a background with the CIELCh color 65, 41.839, 108.691.



This preview shows how white text looks on a background with the CIELCh color 65, 41.839, 108.691.

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, 41.839, 108.691

Protanopia
65, 41.137, 95.813

Deuteranopia
65, 39.327, 77.795



Tritanopia
65, 8.331, 326.989

Trichromacy



Original Color
65, 41.839, 108.691

Protanomaly
65, 41.051, 100.817

Deuteranomaly
65, 38.789, 89.437

Tritanomaly
65, 11.954, 95.221

Monochromacy



Original Color
65, 41.839, 108.691

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 15.532, 111.486

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 41.839, 108.691 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(158, 163, 85)` looks like.

```
.text, #text, p{  
    color:rgb(158, 163, 85)  
}
```

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(158, 163, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 163, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 41.839, 108.691 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(158, 163, 85) }
```

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

```
.border{ border-color:rgb(158, 163, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 163, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 163, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 163, 85);  
box-shadow:4px 4px 4px 4px rgb(158, 163,  
85) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 41.839, 108.691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 163, 85) }
```

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

```
.background{ background-color: rgb(158,  
163, 85) }
```

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