

Converting Colors

CIELCh(65, 38.308, 111.399)

Have a look what the booklet for
CIELCh(65, 38.308, 111.399)
contains.

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Color

CIELCh(65, 37.918, 111.345)

Conversions

Conversions Part 1

Format	Color
Hex	9BA35D
RGB	155, 163, 93
RGB Percent	61%, 64%, 36%
CMY	0.3914, 0.3600, 0.6346
CMYK	0.05, 0.00, 0.43, 0.36
HSL	67°, 28%, 50%
HSV	67°, 43%, 64%
XYZ	28.6728, 34.0472, 15.4596
YIQ	152.6280, 17.7020, -23.4660

Conversions

Conversions Part 2

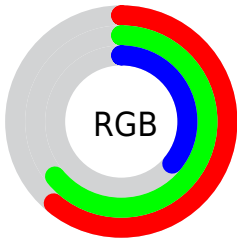
Format	Color
RYB	93, 163, 101
Decimal	10199901
CIELab	65.00, -13.80, 35.32
CIELCh	65, 37.918, 111.345
Yxy	34.0472, 0.3668, 0.4355
Android (android.graphics.Color)	4288389981 (0xFF9BA35D)
YUV	152.6280, -29.3966, 2.0802
Hunter-Lab	58.3500, -14.3986, 25.1363

Details

The CIELCh color $65, 37.918, 111.345$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $43, 42.206, 299.233$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 37.748, 111.195$, and $45, 37.492, 111.416$ is the 20% darker color. If you saturate the color by 10%, you get $65, 46.054, 110.657$, and if you desaturate by 10%, it is $65, 29.370, 112.099$.

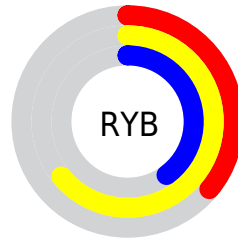
Distribution



Red (61%)

Green (64%)

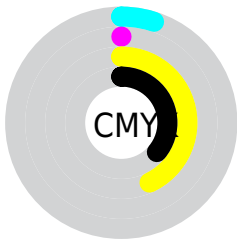
Blue (36%)



Red (36%)

Yellow (64%)

Blue (40%)

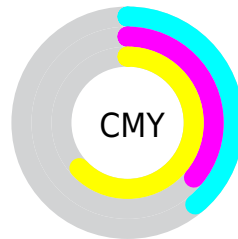


Cyan (5%)

Magenta (0%)

Yellow (43%)

Black (36%)



Cyan (39%)


Magenta (36%)


Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 37.918, 111.345 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, 37.918, 111.345 by changing the saturation by 10% instead.


 65, 37.918,
111.345


 65, 37.918,
111.345


 100, 37.918,
111.345


 55, 37.918,
111.345


 85, 37.918,
111.345

 45, 37.918,
111.345


 95, 37.918,
111.345

 35, 37.918,
111.345

 25, 37.918,
111.345

 15, 37.918,
111.345

 5, 37.918, 111.345

 0, 37.918, 111.345

■ 65, 37.918,
111.345

■ 65, 37.918,
111.345

■ 65, 46.054,
110.657

■ 65, 29.370,
112.099

■ 64, 53.532,
110.072

■ 66, 20.570,
112.879

■ 64, 60.016,
109.649

■ 66, 11.627,
113.665

■ 64, 65.098,
109.455

■ 67, 2.613, 114.437

■ 64, 68.424,
109.554

■ 68, 6.425, 295.204

■ 64, 70.027,
109.747

■ 68, 15.454,
295.931

■ 69, 24.449,
296.625

■ 70, 33.392,
297.284

■ 70, 42.270,
297.906

Harmonies

Complementary

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



65, 37.918, 111.345



43, 42.206, 299.233

Rectangle

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



65, 37.918, 111.345



65, 37.918, 161.345



65, 37.918, 291.345



65, 37.918, 341.345

Sweetspot

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



65, 37.919, 111.348



84, 14.477, 113.639



49, 28.681, 30.906



45, 10.206, 113.472



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, 37.919, 111.348



82, 54.958, 110.720



63, 41.852, 130.514



34, 5.101, 113.949



57, 64.314, 109.683



5, 7.996, 115.931

Inverse Universe

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



43, 42.206, 299.233



50, 63.038, 300.563



47, 43.813, 314.365



32, 5.209, 295.427



16, 87.342, 306.773



1, 7.974, 294.245

Previews

White Background



This preview shows how the CIELCh color 65, 37.918, 111.345 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, 37.918, 111.345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

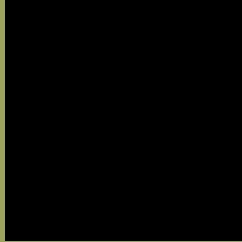
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 37.918, 111.345

Background



This preview shows how black text looks on a background with the CIELCh color 65, 37.918, 111.345.



This preview shows how white text looks on a background with the CIELCh color 65, 37.918, 111.345.

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, 37.918, 111.345

Protanopia
65, 37.025, 95.947

Deuteranopia
65, 35.286, 75.865



Tritanopia
65, 7.524, 317.572

Trichromacy



Original Color
65, 37.918, 111.345

Protanomaly
65, 36.961, 101.447

Deuteranomaly
65, 34.477, 89.496

Tritanomaly
65, 10.022, 102.235

Monochromacy



Original Color
65, 37.918, 111.345

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 14.449, 113.427

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 37.918, 111.345 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(155, 163, 93)` looks like.

```
.text, #text, p{  
    color:rgb(155, 163, 93)  
}
```

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(155, 163, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 163, 93) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 37.918, 111.345 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(155, 163, 93) }
```

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

```
.border{ border-color:rgb(155, 163, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 163, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 163, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 163, 93);  
box-shadow:4px 4px 4px 4px rgb(155, 163,  
93) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 37.918, 111.345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 163, 93) }
```

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

```
.background{ background-color: rgb(155,  
163, 93) }
```

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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