

Converting Colors

CIELCh(65, 36.604, 118.150)

Have a look what the booklet for
CIELCh(65, 36.604, 118.150)
contains.

CIELCh(65, 36.506, 118.405)	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, 36.506, 118.405)

Conversions

Conversions Part 1

Format	Color
Hex	93A563
RGB	147, 165, 99
RGB Percent	58%, 65%, 39%
CMY	0.4233, 0.3527, 0.6115
CMYK	0.11, 0.00, 0.40, 0.35
HSL	76°, 27%, 52%
HSV	76°, 40%, 65%
XYZ	27.7682, 34.0472, 16.9290
YIQ	152.0940, 10.4580, -24.3420

Conversions

Conversions Part 2

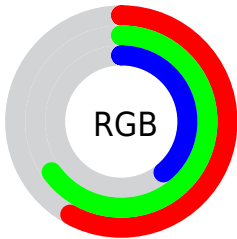
Format	Color
RYB	99, 165, 117
Decimal	9676131
CIELab	65.00, -17.37, 32.11
CIELCh	65, 36.506, 118.405
Yxy	34.0472, 0.3526, 0.4324
Android (android.graphics.Color)	4287866211 (0xFF93A563)
YUV	152.0940, -26.1753, -4.4674
Hunter-Lab	58.3500, -17.1660, 23.6432

Details

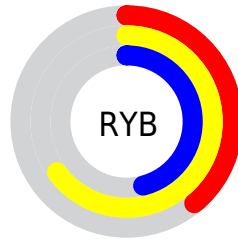
The CIELCh color **65, 36.506, 118.405** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **46, 39.762, 303.764**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **85, 36.339, 118.381**, and **45, 36.227, 118.491** is the 20% darker color. If you saturate the color by 10%, you get **64, 45.080, 117.882**, and if you desaturate by 10%, it is **66, 27.588, 118.989**.

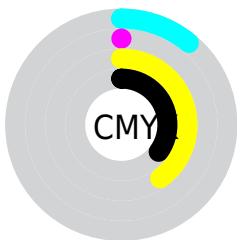
Distribution



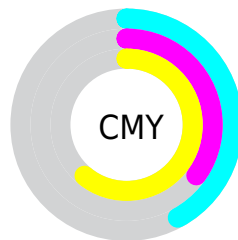
- Red (58%)
- Green (65%)
- Blue (39%)



- Red (39%)
- Yellow (65%)
- Blue (46%)



- Cyan (11%)
- Magenta (0%)
- Yellow (40%)
- Black (35%)





- Cyan (42%)
- Magenta (35%)
- Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 36.506, 118.405 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, 36.506, 118.405 by changing the saturation by 10% instead.


 65, 36.506,
118.405


 65, 36.506,
118.405


 100, 36.506,
118.405


 55, 36.506,
118.405


 85, 36.506,
118.405

 45, 36.506,
118.405

 95, 36.506,
118.405

 35, 36.506,
118.405

 25, 36.506,
118.405

 15, 36.506,
118.405

 5, 36.506, 118.405

 0, 36.506, 118.405

■ 65, 36.506,
118.405

■ 65, 36.506,
118.405

■ 64, 45.080,
117.882

■ 66, 27.588,
118.989

■ 64, 53.092,
117.463

■ 66, 18.467,
119.591

■ 64, 60.240,
117.225

■ 67, 9.242, 120.194

■ 63, 66.134,
117.261

■ 68, 0.021, 299.203

■ 69, 9.276, 301.330

■ 63, 70.386,
117.673

■ 69, 18.490,
301.860

■ 62, 73.169,
118.419

■ 70, 27.637,
302.356

■ 62, 73.172,
118.420

■ 71, 36.701,
302.818

■ 72, 45.669,
303.246

Harmonies

Complementary

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



65, 36.506, 118.405



46, 39.762, 303.764

Rectangle

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



65, 36.506, 118.405



65, 36.506, 168.405



65, 36.506, 298.405



65, 36.506, 348.405

Sweetspot

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



65, 36.507, 118.407



85, 13.727, 120.060



54, 24.054, 45.957



45, 9.088, 119.987



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, 36.507, 118.407



82, 53.601, 117.936



63, 41.477, 135.709



34, 5.187, 120.237



55, 66.597, 118.277



5, 8.168, 122.857

Inverse Universe

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



46, 39.762, 303.764



54, 59.786, 304.613



50, 42.348, 319.497



32, 5.285, 301.336



18, 85.617, 308.154



1, 8.078, 299.796

Previews

White Background



This preview shows how the CIELCh color 65, 36.506, 118.405 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, 36.506, 118.405 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

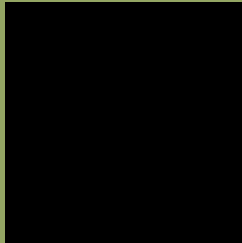
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 36.506, 118.405

Background



This preview shows how black text looks on a background with the CIELCh color 65, 36.506, 118.405.



This preview shows how white text looks on a background with the CIELCh color 65, 36.506, 118.405.

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, 36.506, 118.405

Protanopia
65, 33.977, 95.409

Deuteranopia
65, 32.113, 75.895



Tritanopia
65, 6.680, 287.719

Trichromacy



Original Color
65, 36.506, 118.405

Protanomaly
65, 34.259, 104.301

Deuteranomaly
65, 31.218, 92.350

Tritanomaly
65, 9.290, 126.405

Monochromacy



Original Color
65, 36.506, 118.405

Achromatopsia
63, 0.008, 296.813

Achromatomaly
64, 13.612, 120.621

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 36.506, 118.405 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(147, 165, 99)` looks like.

```
.text, #text, p{  
    color:rgb(147, 165, 99)  
}
```

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(147, 165, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 165, 99) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 36.506, 118.405 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(147, 165, 99) }
```

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

```
.border{ border-color:rgb(147, 165, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 165, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 165, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 165, 99);  
box-shadow:4px 4px 4px 4px rgb(147, 165,  
99) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 36.506, 118.405 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 165, 99) }
```

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

```
.background{ background-color: rgb(147,  
165, 99) }
```

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