

Converting Colors

CIELCh(65, 34.890, 110.453)

Have a look what the booklet for
CIELCh(65, 34.890, 110.453)
contains.

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Color

CIELCh(65, 34.762, 109.984)

Conversions

Conversions Part 1

Format	Color
Hex	9DA262
RGB	157, 162, 98
RGB Percent	62%, 64%, 38%
CMY	0.3830, 0.3634, 0.6145
CMYK	0.03, 0.00, 0.39, 0.36
HSL	65°, 26%, 51%
HSV	65°, 39%, 64%
XYZ	29.1685, 34.0472, 16.6669
YIQ	153.2090, 17.5640, -20.9640

Conversions

Conversions Part 2

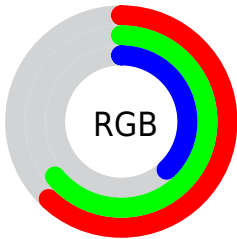
Format	Color
RYB	98, 162, 103
Decimal	10330722
CIELab	65.00, -11.88, 32.67
CIELCh	65, 34.762, 109.984
Yxy	34.0472, 0.3651, 0.4262
Android (android.graphics.Color)	4288520802 (0xFF9DA262)
YUV	153.2090, -27.2180, 3.3247
Hunter-Lab	58.3500, -12.8822, 23.9096

Details

The CIELCh color $65, 34.762, 109.984$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $45, 38.340, 297.652$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 34.707, 110.479$, and $45, 34.360, 110.019$ is the 20% darker color. If you saturate the color by 10%, you get $65, 43.005, 109.220$, and if you desaturate by 10%, it is $65, 26.172, 110.801$.

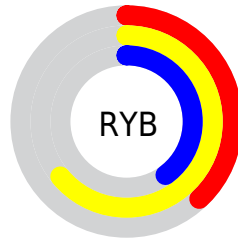
Distribution



Red (62%)

Green (64%)

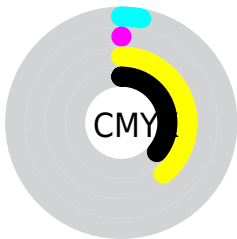
Blue (38%)



Red (38%)

Yellow (64%)

Blue (40%)

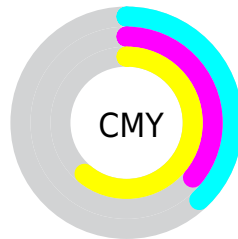


Cyan (3%)

Magenta (0%)

Yellow (39%)

Black (36%)



Cyan (38%)

Magenta (36%)


Yellow (61%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 34.762, 109.984 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, 34.762, 109.984 by changing the saturation by 10% instead.


 65, 34.762,
109.984


 65, 34.762,
109.984


 100, 34.762,
109.984


 55, 34.762,
109.984


 85, 34.762,
109.984

 45, 34.762,
109.984

 95, 34.762,
109.984

 35, 34.762,
109.984

 25, 34.762,
109.984

 15, 34.762,
109.984

 5, 34.762, 109.984

 0, 34.762, 109.984

■ 65, 34.762,
109.984

■ 65, 34.762,
109.984

■ 65, 43.005,
109.220

■ 65, 26.172,
110.801

■ 64, 50.684,
108.535

■ 66, 17.372,
111.635

■ 64, 57.495,
107.980

■ 66, 8.457, 112.468

■ 64, 63.048,
107.613

■ 67, 0.513, 293.352

■ 67, 9.495, 294.096

■ 64, 66.950,
107.489

■ 68, 18.462,
294.864

■ 64, 69.307,
107.593

■ 69, 27.392,
295.598

■ 64, 69.433,
107.599

■ 69, 36.270,
296.294

■ 70, 45.083,
296.952

Harmonies

Complementary

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



65, 34.762, 109.984



45, 38.340, 297.652

Rectangle

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



65, 34.762, 109.984



65, 34.762, 159.984



65, 34.762, 289.984



65, 34.762, 339.984

Sweetspot

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



65, 34.763, 109.987



84, 13.338, 112.237



50, 26.613, 27.925



45, 8.915, 112.135



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, 34.763, 109.987



82, 50.863, 109.334



63, 38.044, 129.571



34, 5.090, 112.482



57, 64.025, 107.556



5, 7.972, 114.174

Inverse Universe

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



45, 38.340, 297.652



52, 57.661, 298.953



48, 39.852, 313.144



32, 5.200, 294.063



16, 87.585, 306.596



0, 7.961, 292.959

Previews

White Background



This preview shows how the CIELCh color 65, 34.762, 109.984 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, 34.762, 109.984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

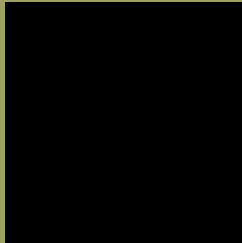
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

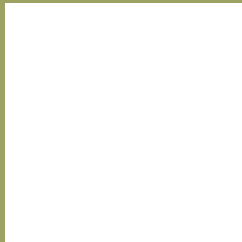
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 65, 34.762, 109.984

Background



This preview shows how black text looks on a background with the CIELCh color 65, 34.762, 109.984.



This preview shows how white text looks on a background with the CIELCh color 65, 34.762, 109.984.

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, 34.762, 109.984

Protanopia
65, 33.854, 96.165

Deuteranopia
65, 32.839, 75.645



Tritanopia
65, 7.905, 322.505

Trichromacy



Original Color
65, 34.762, 109.984

Protanomaly
65, 34.379, 101.407

Deuteranomaly
65, 31.926, 88.516

Tritanomaly
65, 9.073, 96.510

Monochromacy



Original Color
65, 34.762, 109.984

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 12.766, 112.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 34.762, 109.984 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(157, 162, 98)` looks like.

```
.text, #text, p{  
    color:rgb(157, 162, 98)  
}
```

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(157, 162, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 162, 98) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 34.762, 109.984 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(157, 162, 98) }
```

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

```
.border{ border-color:rgb(157, 162, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 162, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 162, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 162, 98);  
box-shadow:4px 4px 4px 4px rgb(157, 162,  
98) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 34.762, 109.984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 162, 98) }
```

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

```
.background{ background-color: rgb(157,  
162, 98) }
```

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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