

Converting Colors

CIELCh(65, 33.958, 142.881)

Have a look what the booklet for
CIELCh(65, 33.958, 142.881)
contains.

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Color

CIELCh(65, 34.012, 142.899)

Conversions

Conversions Part 1

Format	Color
Hex	77AA78
RGB	119, 170, 120
RGB Percent	47%, 67%, 47%
CMY	0.5332, 0.3332, 0.5292
CMYK	0.30, 0.00, 0.29, 0.33
HSL	121°, 23%, 57%
HSV	121°, 30%, 67%
XYZ	25.3887, 34.0472, 23.0158
YIQ	149.0510, -14.3460, -26.3620

Conversions

Conversions Part 2

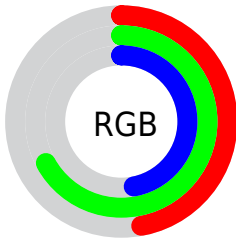
Format	Color
RYB	119, 169, 170
Decimal	7842424
CIELab	65.00, -27.13, 20.52
CIELCh	65, 34.012, 142.899
Yxy	34.0472, 0.3079, 0.4129
Android (android.graphics.Color)	4286032504 (0xFF77AA78)
YUV	149.0510, -14.3221, -26.3547
Hunter-Lab	58.3500, -24.4452, 17.4584

Details

The CIELCh color $65, 34.012, 142.899$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $57, 34.012, 326.583$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 33.993, 142.887$, and $45, 33.787, 143.042$ is the 20% darker color. If you saturate the color by 10%, you get $64, 45.079, 141.973$, and if you desaturate by 10%, it is $66, 22.681, 143.705$.

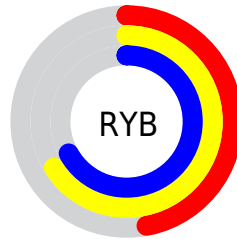
Distribution



Red (47%)

Green (67%)

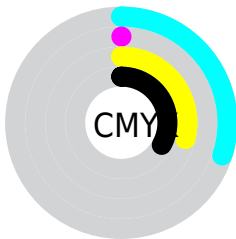
Blue (47%)



Red (47%)

Yellow (66%)

Blue (67%)

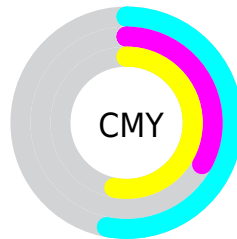


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (33%)



Cyan (53%)


Magenta (33%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 34.012, 142.899 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, 34.012, 142.899 by changing the saturation by 10% instead.


 65, 34.012,
142.899


 65, 34.012,
142.899


 100, 34.012,
142.899


 55, 34.012,
142.899


 85, 34.012,
142.899


 45, 34.012,
142.899

 95, 34.012,
142.899

 35, 34.012,
142.899

 25, 34.012,
142.899

 15, 34.012,
142.899

 5, 34.012, 142.899

 0, 34.012, 142.899

■ 65, 34.012,
142.899

■ 65, 34.012,
142.899

■ 64, 45.079,
141.973

■ 66, 22.681,
143.705

■ 63, 55.616,
140.930

■ 68, 11.287,
144.402

■ 62, 65.299,
139.797

■ 70, 0.015, 309.128

■ 61, 73.748,
138.639

■ 71, 11.114,
325.441

■ 61, 80.540,
137.562

■ 74, 21.940,
325.873

■ 61, 85.287,
136.706

■ 76, 32.447,
326.234


■ 61, 88.036,
136.192

■ 78, 42.613,
326.541

■ 61, 88.038,

■ 80, 52.418,
326.777

136.192

 80, 53.076,
326.255

Harmonies

Complementary

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



65, 34.012, 142.899



57, 34.012, 326.583

Rectangle

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



65, 34.012, 142.899



65, 34.012, 192.899



65, 34.012, 322.899



65, 34.012, 12.899

Sweetspot

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



65, 34.013, 142.899



86, 12.612, 144.457



68, 27.627, 108.058



46, 8.843, 144.364



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



65, 34.013, 142.899



82, 50.516, 142.296



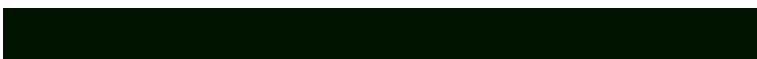
66, 23.447, 161.796



35, 6.334, 144.449



53, 79.395, 136.224



5, 11.538, 144.894

Inverse Universe

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



57, 34.012, 326.583



69, 50.458, 326.930



56, 24.395, 347.351



33, 6.345, 325.448



35, 75.841, 329.012



2, 11.455, 325.183

Previews

White Background



This preview shows how the CIELCh color 65, 34.012, 142.899 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, 34.012, 142.899 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

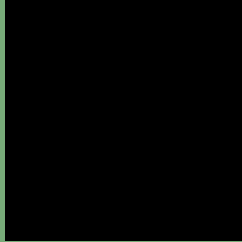
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 34.012, 142.899

Background



This preview shows how black text looks on a background with the CIELCh color 65, 34.012, 142.899.



This preview shows how white text looks on a background with the CIELCh color 65, 34.012, 142.899.

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, 34.012, 142.899

Protanopia
65, 24.231, 95.476

Deuteranopia
65, 20.327, 66.975



Tritanopia
65, 13.596, 230.868

Trichromacy



Original Color
65, 34.012, 142.899

Protanomaly
65, 25.620, 117.710

Deuteranomaly
64, 19.315, 105.629

Tritanomaly
65, 16.035, 177.677

Monochromacy



Original Color
65, 34.012, 142.899

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 12.994, 143.747

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 34.012, 142.899 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(119, 170, 120)` looks like.

```
.text, #text, p{  
    color:rgb(119, 170, 120)  
}
```

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(119, 170, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 170, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 34.012, 142.899 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(119, 170, 120) }
```

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

```
.border{ border-color:rgb(119, 170, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 170, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 170, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 170, 120);  
box-shadow:4px 4px 4px 4px rgb(119, 170,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 34.012, 142.899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 170, 120) }
```

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

```
.background{ background-color: rgb(119,  
170, 120) }
```

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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