

Converting Colors

CIELCh(65, 41.687, 138.960)

Have a look what the booklet for
CIELCh(65, 41.687, 138.960)
contains.

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Color

CIELCh(65, 42.003, 138.774)

Conversions

Conversions Part 1

Format	Color
Hex	73AC6B
RGB	115, 172, 107
RGB Percent	45%, 67%, 42%
CMY	0.5504, 0.3269, 0.5817
CMYK	0.33, 0.00, 0.38, 0.33
HSL	113°, 28%, 55%
HSV	113°, 38%, 67%
XYZ	24.3473, 34.0472, 19.1082
YIQ	147.5470, -13.1070, -32.2990

Conversions

Conversions Part 2

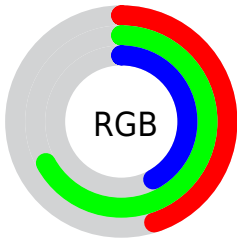
Format	Color
RYB	107, 172, 164
Decimal	7580779
CIELab	65.00, -31.59, 27.68
CIELCh	65, 42.003, 138.774
Yxy	34.0472, 0.3141, 0.4393
Android (android.graphics.Color)	4285770859 (0xFF73AC6B)
YUV	147.5470, -19.9897, -28.5437
Hunter-Lab	58.3500, -27.6308, 21.4289

Details

The CIELCh color $65, 42.003, 138.774$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $53, 42.363, 322.802$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 42.136, 138.706$, and $45, 42.157, 138.773$ is the 20% darker color. If you saturate the color by 10%, you get $64, 52.600, 137.992$, and if you desaturate by 10%, it is $66, 31.019, 139.494$.

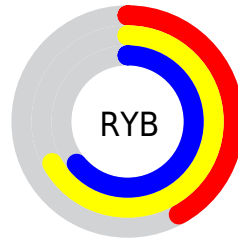
Distribution



Red (45%)

Green (67%)

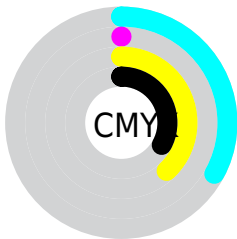
Blue (42%)



Red (42%)

Yellow (67%)

Blue (64%)

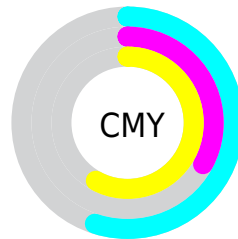


Cyan (33%)

Magenta (0%)

Yellow (38%)

Black (33%)



Cyan (55%)


Magenta (33%)


Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 42.003, 138.774 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, 42.003, 138.774 by changing the saturation by 10% instead.


 65, 42.003,
138.774


 65, 42.003,
138.774

 100, 42.003,
138.774


 55, 42.003,
138.774


 85, 42.003,
138.774

 45, 42.003,
138.774

 95, 42.003,
138.774

 35, 42.003,
138.774

 25, 42.003,
138.774

 15, 42.003,
138.774

 5, 42.003, 138.774

 0, 42.003, 138.774

■ 65, 42.003,
138.774

■ 65, 42.003,
138.774

■ 64, 52.600,
137.992

■ 66, 31.019,
139.494

■ 63, 62.521,
137.181

■ 67, 19.862,
140.135

■ 62, 71.402,
136.410

■ 69, 8.693, 140.706

■ 62, 78.802,
135.787

■ 71, 2.368, 321.076

■ 62, 84.267,
135.438

■ 72, 13.240,
321.558

■ 61, 87.641,
135.394

■ 74, 23.866,
321.916

■ 61, 88.238,
135.360

■ 76, 34.213,
322.216

■ 78, 44.262,
322.471

■ 80, 51.341,
324.537

Harmonies

Complementary

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



65, 42.003, 138.774



53, 42.363, 322.802

Rectangle

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



65, 42.003, 138.774



65, 42.003, 188.774



65, 42.003, 318.774



65, 42.003, 8.774

Sweetspot

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



65, 42.004, 138.775



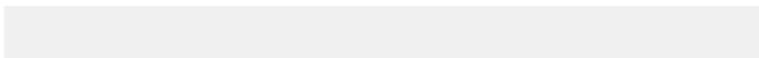
87, 15.173, 140.521



67, 30.869, 100.016



46, 10.189, 140.448



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, 42.004, 138.775



82, 61.662, 138.155



65, 33.376, 153.776



36, 6.325, 140.626



54, 80.002, 135.286



6, 13.421, 141.709

Inverse Universe

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



53, 42.363, 322.802



65, 62.199, 323.125



53, 34.032, 340.153



34, 6.349, 321.480



32, 78.653, 323.570



2, 13.127, 319.599

Previews

White Background



This preview shows how the CIE LCh color 65, 42.003, 138.774 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, 42.003, 138.774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

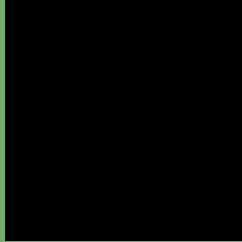
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 65, 42.003, 138.774

Background



This preview shows how black text looks on a background with the CIELCh color 65, 42.003, 138.774.



This preview shows how white text looks on a background with the CIELCh color 65, 42.003, 138.774.

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, 42.003, 138.774

Protanopia
65, 31.284, 95.636

Deuteranopia
65, 27.184, 71.722



Tritanopia
65, 14.138, 229.453

Trichromacy



Original Color
65, 42.003, 138.774

Protanomaly
64, 32.447, 114.972

Deuteranomaly
64, 26.912, 104.535

Tritanomaly
65, 18.010, 170.209

Monochromacy



Original Color
65, 42.003, 138.774

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 15.805, 140.230

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 42.003, 138.774 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(115, 172, 107)` looks like.

```
.text, #text, p{  
    color:rgb(115, 172, 107)  
}
```

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(115, 172, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 172, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 42.003, 138.774 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(115, 172, 107) }
```

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

```
.border{ border-color:rgb(115, 172, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 172, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 172, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 172, 107);  
box-shadow:4px 4px 4px 4px rgb(115, 172,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 42.003, 138.774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 172, 107) }
```

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

```
.background{ background-color: rgb(115,  
172, 107) }
```

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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