

Converting Colors

CIELCh(65, 44.490, 138.753)

Have a look what the booklet for
CIELCh(65, 44.490, 138.753)
contains.

CIELCh(65, 43.963, 138.776)	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, 43.963, 138.776)

Conversions

Conversions Part 1

Format	Color
Hex	70AC68
RGB	112, 172, 104
RGB Percent	44%, 67%, 41%
CMY	0.5600, 0.3246, 0.5914
CMYK	0.35, 0.00, 0.39, 0.32
HSL	113°, 29%, 54%
HSV	113°, 39%, 68%
XYZ	24.0096, 34.0472, 18.4551
YIQ	146.3080, -13.9320, -33.8680

Conversions

Conversions Part 2

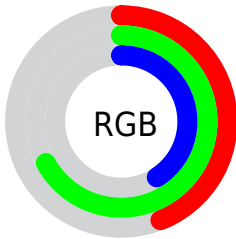
Format	Color
RYB	104, 172, 164
Decimal	7384168
CIELab	65.00, -33.07, 28.97
CIElCh	65, 43.963, 138.776
Yxy	34.0472, 0.3138, 0.4450
Android (android.graphics.Color)	4285574248 (0xFF70AC68)
YUV	146.3080, -20.8578, -30.0881
Hunter-Lab	58.3500, -28.6640, 22.0925

Details

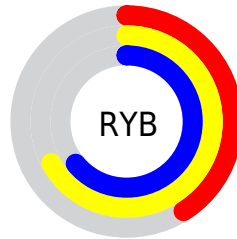
The CIELCh color $65, 43.963, 138.776$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $53, 44.323, 323.027$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $85, 44.036, 138.774$, and $45, 43.656, 139.021$ is the 20% darker color. If you saturate the color by 10%, you get $64, 54.510, 137.977$, and if you desaturate by 10%, it is $66, 32.982, 139.515$.

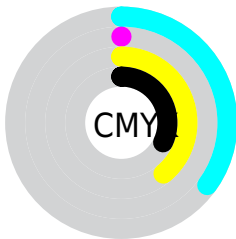
Distribution



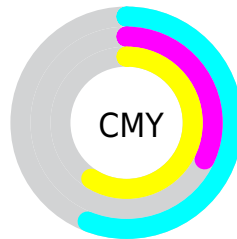
- Red (44%)
- Green (67%)
- Blue (41%)



- Red (41%)
- Yellow (67%)
- Blue (64%)



- Cyan (35%)
- Magenta (0%)
- Yellow (39%)
- Black (32%)





- Cyan (56%)
- Magenta (32%)
- Yellow (59%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 65, 43.963, 138.776 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, 43.963, 138.776 by changing the saturation by 10% instead.


 65, 43.963,
138.776


 65, 43.963,
138.776


 100, 43.963,
138.776


 55, 43.963,
138.776


 85, 43.963,
138.776

 45, 43.963,
138.776

 95, 43.963,
138.776

 35, 43.963,
138.776

 25, 43.963,
138.776

 15, 43.963,
138.776

 5, 43.963, 138.776

 0, 43.963, 138.776

■ 65, 43.963,
138.776

■ 65, 43.963,
138.776

■ 64, 54.510,
137.977

■ 66, 32.982,
139.515

■ 63, 64.320,
137.156

■ 67, 21.792,
140.175

■ 63, 73.011,
136.387

■ 69, 10.568,
140.759

■ 62, 80.131,
135.784

■ 71, 0.566, 320.871

■ 62, 85.237,
135.474

■ 72, 11.519,
321.642

■ 61, 88.363,
135.411

■ 74, 22.231,
322.012

■ 61, 88.500,
135.400

■ 76, 32.666,
322.323

■ 78, 42.802,
322.586

■ 80, 50.811,
324.085

Harmonies

Complementary

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



65, 43.963, 138.776



53, 44.323, 323.027

Rectangle

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



65, 43.963, 138.776



65, 43.963, 188.776



65, 43.963, 318.776



65, 43.963, 8.776

Sweetspot

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



65, 43.964, 138.777



87, 16.589, 140.607



67, 32.268, 99.833



46, 10.996, 140.535



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, 43.964, 138.777



82, 64.341, 138.112



65, 34.866, 153.588



36, 6.335, 140.769



54, 80.046, 135.327



6, 13.438, 141.827

Inverse Universe

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



53, 44.323, 323.027



64, 64.853, 323.359



53, 35.561, 340.311



34, 6.358, 321.628



32, 78.611, 323.759



2, 13.154, 319.801

Previews

White Background



This preview shows how the CIELCh color 65, 43.963, 138.776 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, 43.963, 138.776 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, 43.963, 138.776

Background



This preview shows how black text looks on a background with the CIELCh color 65, 43.963, 138.776.



This preview shows how white text looks on a background with the CIELCh color 65, 43.963, 138.776.

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, 43.963, 138.776

Protanopia
65, 32.849, 95.952

Deuteranopia
65, 28.114, 72.831



Tritanopia
65, 14.947, 227.525

Trichromacy



Original Color
65, 43.963, 138.776

Protanomaly
65, 34.622, 115.680

Deuteranomaly
64, 27.967, 105.384

Tritanomaly
65, 19.487, 170.517

Monochromacy



Original Color
65, 43.963, 138.776

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 16.494, 140.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 65, 43.963, 138.776 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(112, 172, 104)` looks like.

```
.text, #text, p{  
    color:rgb(112, 172, 104)  
}
```

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(112, 172, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 172, 104) }
```

Border

The CSS property to change the border of an element to CIELCh 65, 43.963, 138.776 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(112, 172, 104) }
```

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

```
.border{ border-color:rgb(112, 172, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 172, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 172, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 172, 104);  
box-shadow:4px 4px 4px 4px rgb(112, 172,  
104) }
```

Background

The CSS property to change the background color of an element to CIELCh 65, 43.963, 138.776 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 172, 104) }
```

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

```
.background{ background-color: rgb(112,  
172, 104) }
```

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