

Converting Colors

CIELCh(68, 42.233, 142.281)

Have a look what the booklet for
CIELCh(68, 42.233, 142.281)
contains.

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Color

CIELCh(68, 42.194, 142.298)

Conversions

Conversions Part 1

Format	Color
Hex	75B576
RGB	117, 181, 118
RGB Percent	46%, 71%, 46%
CMY	0.5424, 0.2915, 0.5385
CMYK	0.35, 0.00, 0.35, 0.29
HSL	121°, 30%, 58%
HSV	121°, 35%, 71%
XYZ	27.0003, 37.9720, 22.9493
YIQ	154.6820, -17.9210, -33.1610

Conversions

Conversions Part 2

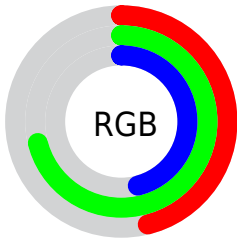
Format	Color
RYB	117, 180, 181
Decimal	7714166
CIELab	68.00, -33.38, 25.80
CIELCh	68, 42.194, 142.298
Yxy	37.9720, 0.3071, 0.4319
Android (android.graphics.Color)	4285904246 (0xFF75B576)
YUV	154.6820, -18.0842, -33.0471
Hunter-Lab	61.6215, -29.6254, 21.0540

Details

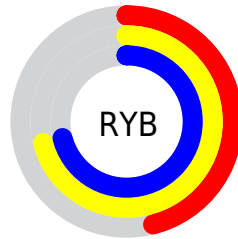
The CIELCh color **68, 42.194, 142.298** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **58, 42.156, 326.769**, and the grayscale version is **64, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 41.933, 142.516**, and **48, 42.303, 142.305** is the 20% darker color. If you saturate the color by 10%, you get **67, 53.573, 141.302**, and if you desaturate by 10%, it is **69, 30.386, 143.174**.

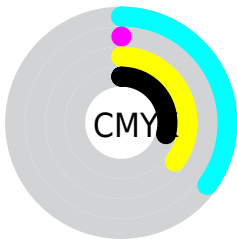
Distribution



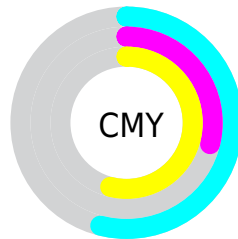
- Red (46%)
- Green (71%)
- Blue (46%)



- Red (46%)
- Yellow (71%)
- Blue (71%)



- Cyan (35%)
- Magenta (0%)
- Yellow (35%)
- Black (29%)



- Cyan (54%)
- Magenta (29%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 42.194, 142.298 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 68, 42.194, 142.298 by changing the saturation by 10% instead.

 68, 42.194,
142.298

 68, 42.194,
142.298

 100, 42.194,
142.298

 58, 42.194,
142.298

 88, 42.194,
142.298

 48, 42.194,
142.298

 98, 42.194,
142.298

 38, 42.194,
142.298

 28, 42.194,
142.298

 18, 42.194,
142.298

 8, 42.194, 142.298

 0, 42.194, 142.298

68, 42.194,
142.298

68, 42.194,
142.298

67, 53.573,
141.302

69, 30.386,
143.174

66, 64.201,
140.201

71, 18.397,
143.931

65, 73.696,
139.045

73, 6.423, 144.596

65, 81.620,
137.925

74, 5.395, 325.058

76, 16.960,
325.549

64, 87.523,
136.973

79, 28.210,
325.946

64, 91.095,
136.326

81, 39.110,
326.281

64, 92.178,
136.148

83, 46.553,
326.035

Harmonies

Complementary

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



68, 42.194, 142.298



58, 42.156, 326.769

Rectangle

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



68, 42.194, 142.298



68, 42.194, 192.298



68, 42.194, 322.298



68, 42.194, 12.298

Sweetspot

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



68, 42.195, 142.298



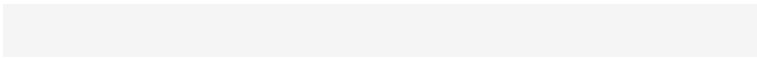
90, 16.193, 144.220



72, 34.119, 106.801



48, 10.880, 144.131



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



68, 42.195, 142.298



85, 62.854, 141.479



69, 29.321, 160.294



37, 6.668, 144.343



55, 81.481, 136.178



6, 16.125, 144.769

Inverse Universe

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



58, 42.156, 326.769



70, 62.662, 327.184



57, 30.593, 347.022



35, 6.679, 325.350



36, 77.968, 328.862



3, 15.995, 325.093

Previews

White Background



This preview shows how the CIELCh color 68, 42.194, 142.298 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 68, 42.194, 142.298 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 68, 42.194, 142.298

Background



This preview shows how black text looks on a background with the CIELCh color 68, 42.194, 142.298.



This preview shows how white text looks on a background with the CIELCh color 68, 42.194, 142.298.

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
68, 42.194, 142.298

Protanopia
68, 29.987, 95.597

Deuteranopia
68, 25.070, 69.410



Tritanopia
68, 15.905, 227.612

Trichromacy



Original Color
68, 42.194, 142.298

Protanomaly
68, 31.959, 118.167

Deuteranomaly
67, 24.528, 106.632

Tritanomaly
68, 19.683, 174.617

Monochromacy



Original Color
68, 42.194, 142.298

Achromatopsia
64, 0.008, 296.813

Achromatomaly
65, 15.847, 144.695

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 42.194, 142.298 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(117, 181, 118)` looks like.

```
.text, #text, p{  
    color:rgb(117, 181, 118)  
}
```

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(117, 181, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 181, 118) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 42.194, 142.298 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(117, 181, 118) }
```

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

```
.border{ border-color:rgb(117, 181, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 181, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 181, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 181, 118);  
box-shadow:4px 4px 4px 4px rgb(117, 181,  
118) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 42.194, 142.298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 181, 118) }
```

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

```
.background{ background-color: rgb(117,  
181, 118) }
```

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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