

Converting Colors

CIELCh(70, 35.238, 128.691)

Have a look what the booklet for
CIELCh(70, 35.238, 128.691)
contains.

CIELCh(70, 35.229, 128.381)	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(70, 35.229, 128.381)

Conversions

Conversions Part 1

Format	Color
Hex	95B578
RGB	149, 181, 120
RGB Percent	58%, 71%, 47%
CMY	0.4160, 0.2905, 0.5297
CMYK	0.18, 0.00, 0.34, 0.29
HSL	91°, 29%, 59%
HSV	91°, 34%, 71%
XYZ	32.2715, 40.7494, 23.9088
YIQ	164.4780, 0.5090, -25.7550

Conversions

Conversions Part 2

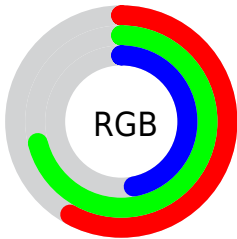
Format	Color
RYB	120, 181, 152
Decimal	9811320
CIELab	70.00, -21.87, 27.62
CIELCh	70, 35.229, 128.381
Yxy	40.7494, 0.3329, 0.4204
Android (android.graphics.Color)	4288001400 (0xFF95B578)
YUV	164.4780, -21.9277, -13.5742
Hunter-Lab	63.8353, -21.4722, 22.4782

Details

The CIELCh color **70, 35.229, 128.381** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55, 36.828, 311.516**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **90, 35.140, 128.366**, and **50, 35.033, 128.602** is the 20% darker color. If you saturate the color by 10%, you get **69, 45.366, 127.916**, and if you desaturate by 10%, it is **71, 24.855, 128.864**.

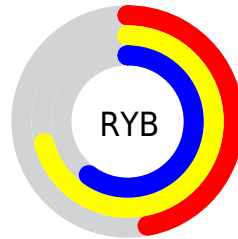
Distribution



Red (58%)

Green (71%)

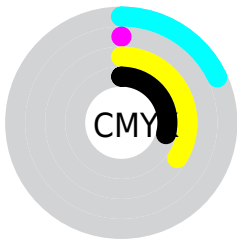
Blue (47%)



Red (47%)

Yellow (71%)

Blue (60%)

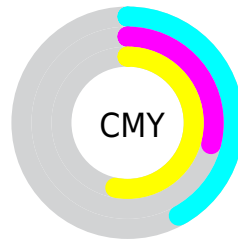


Cyan (18%)

Magenta (0%)

Yellow (34%)

Black (29%)



Cyan (42%)


Magenta (29%)


Yellow (53%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 35.229, 128.381 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 70, 35.229, 128.381 by changing the saturation by 10% instead.


 70, 35.229,
128.381


 70, 35.229,
128.381


 100, 35.229,
128.381


 60, 35.229,
128.381


 90, 35.229,
128.381

 50, 35.229,
128.381

 40, 35.229,
128.381

 30, 35.229,
128.381

 20, 35.229,
128.381

 10, 35.229,
128.381

 0, 35.229, 128.381

70, 35.229,
128.381

70, 35.229,
128.381

69, 45.366,
127.916

71, 24.855,
128.864

68, 55.067,
127.507

72, 14.373,
129.336

68, 64.060,
127.224

73, 3.878, 129.799

67, 71.969,
127.166

74, 6.561, 310.159

66, 78.352,
127.457

76, 16.898,
310.542

66, 82.842,
128.206

77, 27.100,
310.879

66, 84.955,
128.811

79, 37.142,
311.180

80, 42.262,
313.552

■ 81, 43.354,
317.658

Harmonies

Complementary

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



70, 35.229, 128.381



55, 36.828, 311.516

Rectangle

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



70, 35.229, 128.381



70, 35.229, 178.381



70, 35.229, 308.381



70, 35.229, 358.381

Sweetspot

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



70, 35.231, 128.382



91, 12.935, 129.499



65, 21.651, 72.977



48, 8.820, 129.435



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



70, 35.231, 128.382



88, 51.405, 128.054



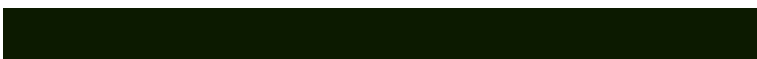
68, 40.228, 142.477



37, 5.865, 129.538



56, 74.912, 128.598



7, 14.577, 133.446

Inverse Universe

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



55, 36.828, 311.516



66, 54.284, 311.875



59, 40.203, 326.704



35, 5.940, 310.316



24, 84.645, 312.638



1, 13.898, 306.050

Previews

White Background



This preview shows how the CIELCh color 70, 35.229, 128.381 looks on a white background.

Color Contrast Check

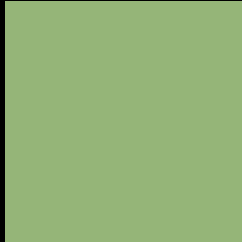
Large Text (above 18pt) WCAG AA × Fail

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 70, 35.229, 128.381 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 70, 35.229, 128.381

Background



This preview shows how black text looks on a background with the CIELCh color 70, 35.229, 128.381.



This preview shows how white text looks on a background with the CIELCh color 70, 35.229, 128.381.

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](#).

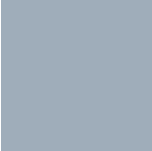
Dichromacy



Original Color
70, 35.229, 128.381

Protanopia
70, 30.326, 95.864

Deuteranopia
70, 27.241, 70.620



Tritanopia
70, 8.591, 255.350

Trichromacy



Original Color
70, 35.229, 128.381

Protanomaly
70, 31.201, 109.318

Deuteranomaly
70, 26.086, 95.522

Tritanomaly
70, 11.074, 154.829

Monochromacy



Original Color
70, 35.229, 128.381

Achromatopsia
67, 0.008, 296.813

Achromatomaly
68, 12.814, 128.508

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 35.229, 128.381 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(149, 181, 120)` looks like.

```
.text, #text, p{  
    color:rgb(149, 181, 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(149, 181, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 181, 120) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 35.229, 128.381 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(149, 181, 120) }
```

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

```
.border{ border-color:rgb(149, 181, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 181, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 181, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 181, 120);  
box-shadow:4px 4px 4px 4px rgb(149, 181,  
120) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 35.229, 128.381 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 181, 120) }
```

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

```
.background{ background-color: rgb(149,  
181, 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](#).

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