

Converting Colors

CIELCh(68, 0.944, 126.342)

Have a look what the booklet for
CIELCh(68, 0.944, 126.342) contains.

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Color

CIELCh(68, 1.160, 129.106)

Conversions

Conversions Part 1

Format	Color
Hex	A5A6A4
RGB	165, 166, 164
RGB Percent	65%, 65%, 64%
CMY	0.3528, 0.3488, 0.3567
CMYK	0.01, 0.00, 0.01, 0.35
HSL	90°, 1%, 65%
HSV	90°, 1%, 65%
XYZ	35.8729, 37.9720, 40.5790
YIQ	165.4730, 0.0460, -0.8340

Conversions

Conversions Part 2

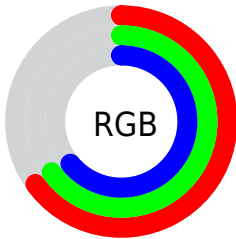
Format	Color
RYB	164, 166, 165
Decimal	10856100
CIELab	68.00, -0.73, 0.90
CIElCh	68, 1.160, 129.106
Yxy	37.9720, 0.3135, 0.3319
Android (android.graphics.Color)	4289046180 (0xFFA5A6A4)
YUV	165.4730, -0.7262, -0.4148
Hunter-Lab	61.6215, -3.9238, 4.0914

Details

The CIELCh color $68, 1.160, 129.106$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $68, 1.180, 309.059$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 1.097, 129.146$, and $48, 1.244, 129.060$ is the 20% darker color. If you saturate the color by 10%, you get $67, 10.884, 128.616$, and if you desaturate by 10%, it is $69, 8.503, 309.437$.

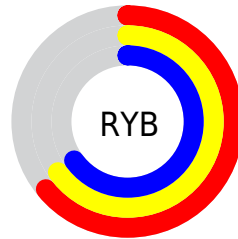
Distribution



Red (65%)

Green (65%)

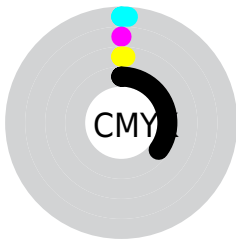
Blue (64%)



Red (64%)

Yellow (65%)

Blue (65%)

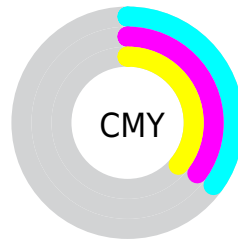


Cyan (1%)

Magenta (0%)

Yellow (1%)

Black (35%)



Cyan (35%)

Magenta (35%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 1.160, 129.106 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, 1.160, 129.106 by changing the saturation by 10% instead.

■ 68, 1.160, 129.106

■ 68, 1.160, 129.106

■ 100, 1.160,
129.106

■ 58, 1.160, 129.106

■ 88, 1.160, 129.106

■ 48, 1.160, 129.106

■ 98, 1.160, 129.106

■ 38, 1.160, 129.106

■ 28, 1.160, 129.106

■ 18, 1.160, 129.106

■ 8, 1.160, 129.106

■ 0, 1.160, 129.106

■ 68, 1.160, 129.106

■ 68, 1.160, 129.106

■ 67, 10.884,

■ 69, 8.503, 309.437

128.616

70, 18.073,
309.813

66, 20.607,
128.147

72, 27.518,
310.149

65, 30.255,
127.667

73, 36.819,
310.451

64, 39.715,
127.197

74, 45.964,
310.720

63, 48.830,
126.774

75, 50.635,
312.423

63, 57.370,
126.456

76, 51.414,
315.432

62, 65.019,
126.333

77, 52.318,
318.390

62, 71.382,
126.519

78, 53.343,
321.282

61, 76.079,
127.133

Harmonies

Complementary

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



68, 1.160, 129.106



68, 1.180, 309.059

Rectangle

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



68, 1.160, 129.106



68, 1.160, 179.106



68, 1.160, 309.106



68, 1.160, 359.106

Sweetspot

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



68, 1.162, 129.133



87, 0.010, 296.813



68, 0.660, 74.792



46, 0.006, 296.813



94, 0.011, 296.813

Same Dimension

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



68, 1.162, 129.133



86, 1.194, 129.157



68, 1.339, 144.544



36, 0.550, 129.171



55, 72.493, 127.780



5, 10.312, 131.487

Inverse Universe

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



68, 1.180, 309.059



86, 1.216, 309.035



68, 1.354, 324.341



35, 0.560, 309.021



22, 82.966, 312.113



1, 10.006, 306.619

Previews

White Background



This preview shows how the CIELCh color 68, 1.160, 129.106 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 68, 1.160, 129.106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

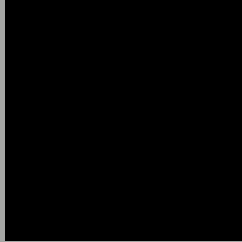
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

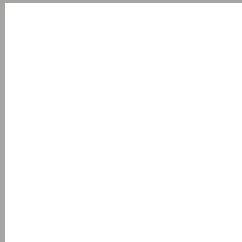
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 1.160, 129.106

Background



This preview shows how black text looks on a background with the CIELCh color 68, 1.160, 129.106.



This preview shows how white text looks on a background with the CIELCh color 68, 1.160, 129.106.

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, 1.160, 129.106

Protanopia

68, 1.870, 55.191

Deuteranopia

68, 8.918, 2.298



Tritanopia
68, 7.273, 299.653

Trichromacy



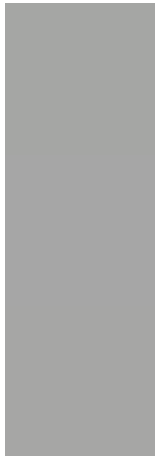
Original Color
68, 1.160, 129.106

Protanomaly
68, 1.574, 63.352

Deuteranomaly
68, 5.624, 2.818

Tritanomaly
68, 3.885, 296.088

Monochromacy



Original Color
68, 1.160, 129.106

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 0.541, 110.018

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 1.160, 129.106 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(165, 166, 164)` looks like.

```
.text, #text, p{  
    color:rgb(165, 166, 164)  
}
```

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(165, 166, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 166, 164) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 1.160, 129.106 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(165, 166, 164) }
```

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

```
.border{ border-color:rgb(165, 166, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 166, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 166, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 166, 164);  
box-shadow:4px 4px 4px 4px rgb(165, 166,  
164) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 1.160, 129.106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 166, 164) }
```

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

```
.background{ background-color: rgb(165,  
166, 164) }
```

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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