

Converting Colors

CIELCh(68, 2.506, 223.325)

Have a look what the booklet for
CIELCh(68, 2.506, 223.325) contains.

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Color

CIELCh(68, 2.478, 225.829)

Conversions

Conversions Part 1

Format	Color
Hex	A1A7A9
RGB	161, 167, 169
RGB Percent	63%, 65%, 66%
CMY	0.3694, 0.3459, 0.3381
CMYK	0.05, 0.01, 0.00, 0.34
HSL	195°, 4%, 65%
HSV	195°, 5%, 66%
XYZ	35.5774, 37.9720, 42.8861
YIQ	165.4340, -4.2180, -0.6500

Conversions

Conversions Part 2

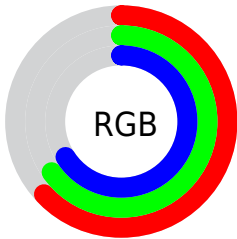
Format	Color
RYB	161, 164, 169
Decimal	10594217
CIELab	68.00, -1.73, -1.78
CIElCh	68, 2.478, 225.829
Yxy	37.9720, 0.3056, 0.3261
Android (android.graphics.Color)	4288784297 (0xFFA1A7A9)
YUV	165.4340, 1.7580, -3.8886
Hunter-Lab	61.6215, -4.7799, 1.8716

Details

The CIELCh color $68, 2.478, 225.829$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $67, 2.541, 44.991$, and the grayscale version is $68, 0.008, 296.813$.

A 20% lighter version of the original color is $88, 2.358, 225.829$, and $48, 2.638, 225.876$ is the 20% darker color. If you saturate the color by 10%, you get $66, 7.529, 226.258$, and if you desaturate by 10%, it is $70, 2.799, 44.990$.

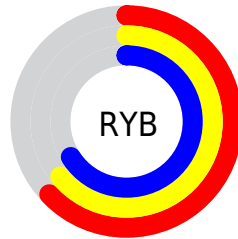
Distribution



Red (63%)

Green (65%)

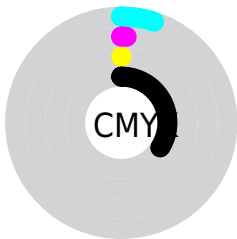
Blue (66%)



Red (63%)

Yellow (64%)

Blue (66%)

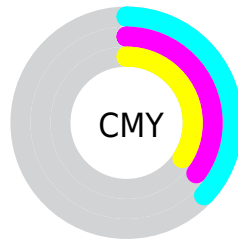


Cyan (5%)

Magenta (1%)

Yellow (0%)

Black (34%)



Cyan (37%)

Magenta (35%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 2.478, 225.829 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, 2.478, 225.829 by changing the saturation by 10% instead.

■ 68, 2.478, 225.829

■ 68, 2.478, 225.829

■ 100, 2.478,
225.829

■ 58, 2.478, 225.829

■ 88, 2.478, 225.829

■ 48, 2.478, 225.829

■ 98, 2.478, 225.829

■ 38, 2.478, 225.829

■ 28, 2.478, 225.829

■ 18, 2.478, 225.829

■ 8, 2.478, 225.829

■ 0, 2.478, 225.829

■ 68, 2.478, 225.829

■ 68, 2.478, 225.829

■ 66, 7.529, 226.258

■ 70, 2.799, 44.990

63, 12.292,
227.026

73, 8.249, 44.775

61, 16.699,
228.054

76, 13.827, 44.567

59, 20.680,
229.399

78, 19.496, 44.418

57, 24.170,
231.131

81, 25.225, 44.321

55, 27.121,
233.337

83, 28.330, 46.415

53, 29.514,
236.105

84, 27.916, 51.635

52, 31.379,
239.511

85, 27.746, 56.966

50, 32.807,
243.587

Harmonies

Complementary

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



68, 2.478, 225.829



67, 2.541, 44.991

Rectangle

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



68, 2.478, 225.829



68, 2.478, 275.829



68, 2.478, 45.829



68, 2.478, 95.829

Sweetspot

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



68, 2.478, 225.787



87, 0.655, 226.282



68, 4.553, 151.482



46, 0.372, 226.331



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



68, 2.478, 225.787



86, 3.871, 225.817



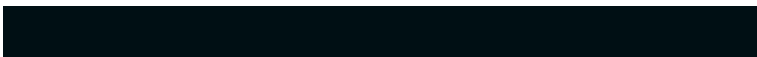
67, 3.328, 276.711



35, 2.059, 225.830



44, 30.327, 245.278



4, 5.382, 233.934

Inverse Universe

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



67, 4.519, 332.564



84, 7.087, 332.666



68, 3.306, 95.493



34, 3.773, 332.694



33, 63.800, 341.047



2, 9.312, 335.063

Previews

White Background



This preview shows how the CIELCh color 68, 2.478, 225.829 looks on a white background.

Color Contrast Check

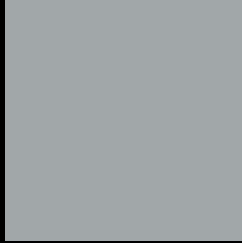
Large Text (above 18pt) WCAG AA × Fail

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, 2.478, 225.829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

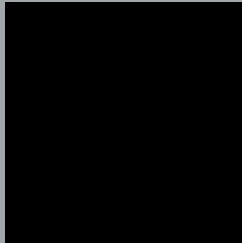
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

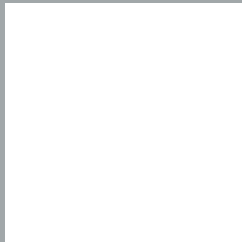
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 2.478, 225.829

Background



This preview shows how black text looks on a background with the CIELCh color 68, 2.478, 225.829.



This preview shows how white text looks on a background with the CIELCh color 68, 2.478, 225.829.

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, 2.478, 225.829

Protanopia

68, 2.020, 324.426

Deuteranopia

68, 9.415, 344.536



Tritanopia
68, 7.230, 282.208

Trichromacy



Original Color
68, 2.478, 225.829

Protanomaly
68, 1.165, 271.522

Deuteranomaly
68, 6.092, 333.572

Tritanomaly
68, 5.147, 274.087

Monochromacy



Original Color
68, 2.478, 225.829

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 1.129, 199.732

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 2.478, 225.829 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(161, 167, 169)` looks like.

```
.text, #text, p{  
    color:rgb(161, 167, 169)  
}
```

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(161, 167, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 167, 169) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 2.478, 225.829 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(161, 167, 169) }
```

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

```
.border{ border-color:rgb(161, 167, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 167, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 167, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 167, 169);  
box-shadow:4px 4px 4px 4px rgb(161, 167,  
169) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 2.478, 225.829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 167, 169) }
```

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

```
.background{ background-color: rgb(161,  
167, 169) }
```

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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