

Converting Colors

CIELCh(68, 1.796, 323.964)

Have a look what the booklet for
CIELCh(68, 1.796, 323.964) contains.

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Color

CIELCh(68, 2.020, 324.426)

Conversions

Conversions Part 1

Format	Color
Hex	A8A5A8
RGB	168, 165, 168
RGB Percent	66%, 65%, 66%
CMY	0.3419, 0.3536, 0.3419
CMYK	0.00, 0.02, 0.00, 0.34
HSL	300°, 2%, 65%
HSV	300°, 2%, 66%
XYZ	36.5848, 37.9720, 42.3597
YIQ	166.2390, 0.8250, 1.5690

Conversions

Conversions Part 2

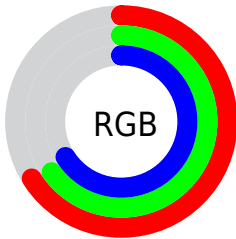
Format	Color
RYB	168, 165, 168
Decimal	11052456
CIELab	68.00, 1.64, -1.18
CIElCh	68, 2.020, 324.426
Yxy	37.9720, 0.3129, 0.3248
Android (android.graphics.Color)	4289242536 (0xFFA8A5A8)
YUV	166.2390, 0.8682, 1.5444
Hunter-Lab	61.6215, -1.8616, 2.3780

Details

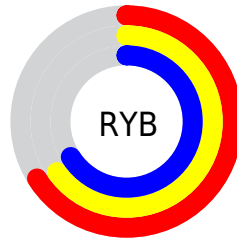
The CIELCh color **68, 2.020, 324.426** is a light color, and the websafe version is hex **999999**. A complement of this color would be **68, 2.003, 144.457**, and the grayscale version is **68, 0.008, 296.813**.

A 20% lighter version of the original color is **88, 1.918, 324.370**, and **48, 2.160, 324.496** is the 20% darker color. If you saturate the color by 10%, you get **64, 13.376, 325.059**, and if you desaturate by 10%, it is **73, 9.151, 144.033**.

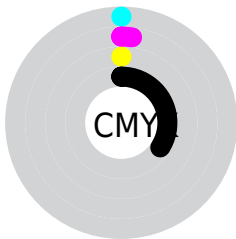
Distribution



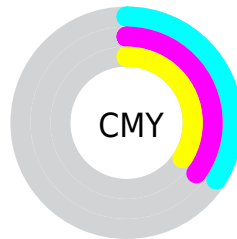
- Red (66%)
- Green (65%)
- Blue (66%)



- Red (66%)
- Yellow (65%)
- Blue (66%)



- Cyan (0%)
- Magenta (2%)
- Yellow (0%)
- Black (34%)



- Cyan (34%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 68, 2.020, 324.426 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, 2.020, 324.426 by changing the saturation by 10% instead.

■ 68, 2.020, 324.426

■ 68, 2.020, 324.426

■ 100, 2.020,
324.426

■ 58, 2.020, 324.426

■ 88, 2.020, 324.426

■ 48, 2.020, 324.426

■ 98, 2.020, 324.426

■ 38, 2.020, 324.426

■ 28, 2.020, 324.426

■ 18, 2.020, 324.426

■ 8, 2.020, 324.426

■ 0, 2.020, 324.426

■ 68, 2.020, 324.426

■ 68, 2.020, 324.426

■ 64, 13.376,

■ 73, 9.151, 144.033

325.059

77, 20.054,
143.505

59, 24.798,
325.604

82, 30.648,
143.007

55, 36.097,
326.130

86, 40.915,
142.535

52, 47.010,
326.627

91, 50.850,
142.091

48, 57.193,
327.080

93, 54.474,
141.932

45, 66.237,
327.472

93, 54.474,
141.932

43, 73.719,
327.789

93, 54.474,
141.932

41, 79.286,
328.020

93, 54.473,
141.932

40, 82.769,
328.162

Harmonies

Complementary

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



68, 2.020, 324.426



68, 2.003, 144.457

Rectangle

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



68, 2.020, 324.426



68, 2.020, 14.426



68, 2.020, 144.426



68, 2.020, 194.426

Sweetspot

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



68, 2.018, 324.425



87, 1.408, 324.300



68, 1.630, 289.719



46, 0.800, 324.286



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, 2.018, 324.425



86, 2.810, 324.453



68, 1.432, 342.660



35, 1.282, 324.434



35, 76.993, 328.232



2, 11.673, 324.438

Inverse Universe

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



68, 1.139, 19.085



86, 1.588, 19.152



69, 1.418, 162.871



35, 0.724, 19.106



30, 69.026, 39.358



1, 6.572, 19.403

Previews

White Background



This preview shows how the CIELCh color 68, 2.020, 324.426 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, 2.020, 324.426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

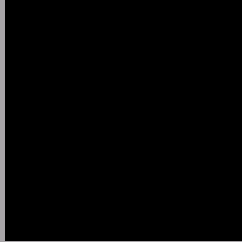
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

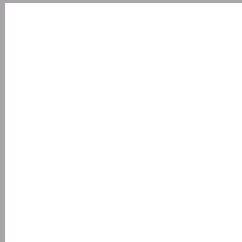
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 68, 2.020, 324.426

Background



This preview shows how black text looks on a background with the CIELCh color 68, 2.020, 324.426.



This preview shows how white text looks on a background with the CIELCh color 68, 2.020, 324.426.

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, 2.020, 324.426

Protanopia

68, 2.020, 324.426

Deuteranopia

68, 8.497, 349.029



Tritanopia
68, 7.541, 308.037

Trichromacy



Original Color
68, 2.020, 324.426

Protanomaly
68, 2.020, 324.426

Deuteranomaly
68, 6.593, 344.246

Tritanomaly
68, 5.327, 311.178

Monochromacy



Original Color
68, 2.020, 324.426

Achromatopsia
68, 0.008, 296.813

Achromatomaly
68, 0.679, 324.142

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 68, 2.020, 324.426 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(168, 165, 168)` looks like.

```
.text, #text, p{  
    color:rgb(168, 165, 168)  
}
```

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(168, 165, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 165, 168) }
```

Border

The CSS property to change the border of an element to CIELCh 68, 2.020, 324.426 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(168, 165, 168) }
```

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

```
.border{ border-color:rgb(168, 165, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 165, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 165, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 165, 168);  
box-shadow:4px 4px 4px 4px rgb(168, 165,  
168) }
```

Background

The CSS property to change the background color of an element to CIELCh 68, 2.020, 324.426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 165, 168) }
```

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

```
.background{ background-color: rgb(168,  
165, 168) }
```

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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