

Converting Colors

CIELCh(64, 13.494, 290.860)

Have a look what the booklet for
CIELCh(64, 13.494, 290.860)
contains.

CIELCh(64, 13.402, 291.608)	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(64, 13.402, 291.608)

Conversions

Conversions Part 1

Format	Color
Hex	9999B1
RGB	153, 153, 177
RGB Percent	60%, 60%, 69%
CMY	0.3994, 0.3994, 0.3052
CMYK	0.14, 0.14, 0.00, 0.31
HSL	240°, 13%, 65%
HSV	240°, 14%, 69%
XYZ	32.5349, 32.8017, 46.2954
YIQ	155.7360, -7.7040, 7.4640

Conversions

Conversions Part 2

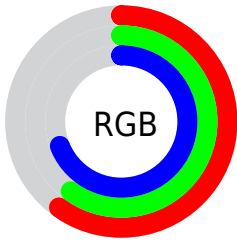
Format	Color
RYB	153, 153, 177
Decimal	10066353
CIELab	64.00, 4.94, -12.46
CIELCh	64, 13.402, 291.608
Yxy	32.8017, 0.2914, 0.2938
Android (android.graphics.Color)	4288256433 (0xFF9999B1)
YUV	155.7360, 10.4832, -2.3995
Hunter-Lab	57.2727, 1.1732, -7.8350

Details

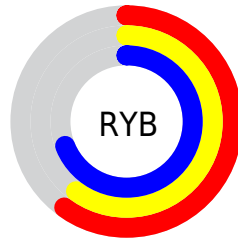
The CIELCh color $64, 13.402, 291.608$ is a light color, and the websafe version is hex 999999 . A complement of this color would be $72, 12.997, 108.884$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 13.732, 291.355$, and $44, 13.206, 292.047$ is the 20% darker color. If you saturate the color by 10%, you get $58, 23.769, 292.877$, and if you desaturate by 10%, it is $70, 3.447, 290.536$.

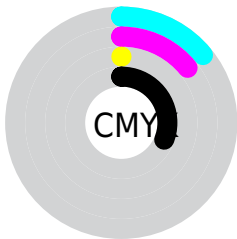
Distribution



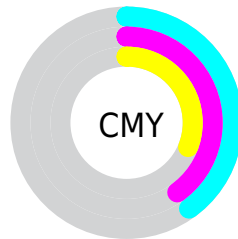
- Red (60%)
- Green (60%)
- Blue (69%)



- Red (60%)
- Yellow (60%)
- Blue (69%)



- Cyan (14%)
- Magenta (14%)
- Yellow (0%)
- Black (31%)



- Cyan (40%)
- Magenta (40%)
- Yellow (31%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 13.402, 291.608 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 64, 13.402, 291.608 by changing the saturation by 10% instead.

 64, 13.402,
291.608

 64, 13.402,
291.608


 100, 13.402,
291.608


 54, 13.402,
291.608


 84, 13.402,
291.608

 44, 13.402,
291.608

 94, 13.402,
291.608

 34, 13.402,
291.608

 24, 13.402,
291.608

 14, 13.402,
291.608

 4, 13.402, 291.608

 0, 13.402, 291.608

64, 13.402,
291.608

64, 13.402,
291.608

58, 23.769,
292.877

70, 3.447, 290.536

52, 34.582,
294.371

76, 6.122, 109.591

46, 45.854,
296.108

82, 15.337,
108.815

40, 57.544,
298.081

88, 24.223,
108.148

34, 69.463,
300.233

94, 32.803,
107.574

29, 81.090,
302.411

98, 39.039,
107.199

25, 91.327,
304.341

22, 98.558,

305.688

■ 21, 101.819,
306.287

Harmonies

Complementary

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



64, 13.402, 291.608



72, 12.997, 108.884

Rectangle

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



64, 13.402, 291.608



64, 13.402, 341.608



64, 13.402, 111.608



64, 13.402, 161.608

Sweetspot

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



64, 13.401, 291.605



88, 4.799, 290.586



70, 8.695, 197.294



46, 3.411, 290.658



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



64, 13.401, 291.605



79, 19.638, 291.931



65, 14.088, 309.097



34, 5.590, 291.129



17, 91.388, 306.287



1, 13.316, 290.176

Inverse Universe

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



65, 9.454, 20.244



81, 13.926, 20.472



71, 13.822, 127.885



35, 3.911, 19.909



31, 70.929, 39.524



2, 9.156, 19.402

Previews

White Background



This preview shows how the CIELCh color 64, 13.402, 291.608 looks on a white background.

Color Contrast Check

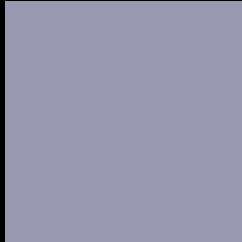
Large Text (above 18pt) WCAG AA × Fail

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 64, 13.402, 291.608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

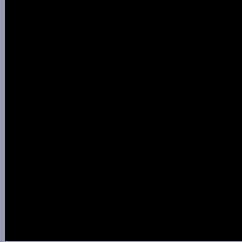
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

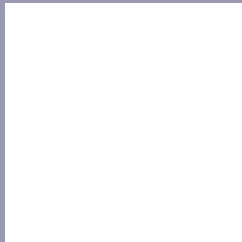
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 13.402, 291.608

Background



This preview shows how black text looks on a background with the CIELCh color 64, 13.402, 291.608.



This preview shows how white text looks on a background with the CIELCh color 64, 13.402, 291.608.

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

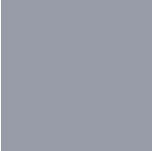
64, 13.402, 291.608

Protanopia

64, 13.410, 287.017

Deuteranopia

64, 15.413, 302.590



Tritanopia
64, 6.826, 278.423

Trichromacy



Original Color
64, 13.402, 291.608

Protanomaly
64, 13.393, 288.537

Deuteranomaly
64, 14.667, 298.780

Tritanomaly
64, 9.502, 286.789

Monochromacy



Original Color
64, 13.402, 291.608

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 5.020, 290.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 13.402, 291.608 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(153, 153, 177)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 177)  
}
```

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(153, 153, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 177) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 13.402, 291.608 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(153, 153, 177) }
```

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

```
.border{ border-color:rgb(153, 153, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 177);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
177) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 13.402, 291.608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 177) }
```

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

```
.background{ background-color: rgb(153,  
153, 177) }
```

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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