

Converting Colors

CIELCh(64, 33.370, 310.428)

Have a look what the booklet for
CIELCh(64, 33.370, 310.428)
contains.

CIELCh(64, 32.861, 310.415)	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, 32.861, 310.415)

Conversions

Conversions Part 1

Format	Color
Hex	AC90C8
RGB	172, 144, 200
RGB Percent	67%, 56%, 78%
CMY	0.3262, 0.4360, 0.2164
CMYK	0.14, 0.28, 0.00, 0.22
HSL	270°, 34%, 67%
HSV	270°, 28%, 78%
XYZ	37.3200, 32.8017, 58.8893
YIQ	158.7560, -1.2880, 23.3520

Conversions

Conversions Part 2

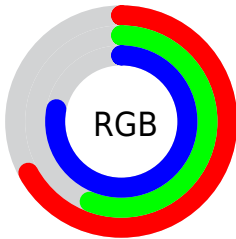
Format	Color
R_{YB}	172, 144, 200
Decimal	11309256
CIE _{Lab}	64.00, 21.30, -25.02
CIE _{LCh}	64, 32.861, 310.415
Yxy	32.8017, 0.2893, 0.2543
Android (android.graphics.Color)	4289499336 (0xFFAC90C8)
YUV	158.7560, 20.3333, 11.6150
Hunter-Lab	57.2727, 16.0866, -20.8725

Details

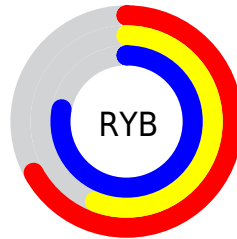
The CIELCh color **64, 32.861, 310.415** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **77, 31.609, 127.774**, and the grayscale version is **65, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 31.891, 311.019**, and **44, 33.191, 310.509** is the 20% darker color. If you saturate the color by 10%, you get **58, 45.061, 310.955**, and if you desaturate by 10%, it is **70, 20.862, 309.896**.

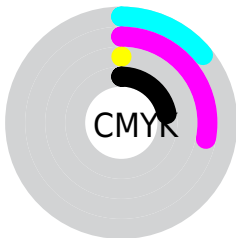
Distribution



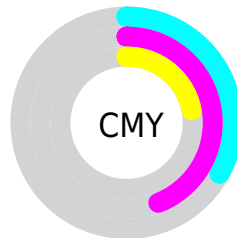
- Red (67%)
- Green (56%)
- Blue (78%)



- Red (67%)
- Yellow (56%)
- Blue (78%)



- Cyan (14%)
- Magenta (28%)
- Yellow (0%)
- Black (22%)





- Cyan (33%)
- Magenta (44%)
- Yellow (22%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 32.861, 310.415 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, 32.861, 310.415 by changing the saturation by 10% instead.


 64, 32.861,
310.415


 64, 32.861,
310.415


 100, 32.861,
310.415


 54, 32.861,
310.415


 84, 32.861,
310.415

 44, 32.861,
310.415

 94, 32.861,
310.415

 34, 32.861,
310.415

 24, 32.861,
310.415

 14, 32.861,
310.415

 4, 32.861, 310.415

 0, 32.861, 310.415

64, 32.861,
310.415

64, 32.861,
310.415

58, 45.061,
310.955

70, 20.862,
309.896

53, 57.303,
311.493

76, 9.157, 309.409

47, 69.297,
311.988

82, 2.215, 129.038

42, 80.577,
312.375

88, 13.241,
128.601

38, 90.465,
312.564

94, 23.922,
128.248

34, 98.131,
312.442

97, 29.260,
125.195


32, 103.046,
311.939

98, 28.324,
118.136

31, 103.905,

99, 27.867,
110.587

311.836

 99,27.831,
108.064

Harmonies

Complementary

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



64, 32.861, 310.415



77, 31.609, 127.774

Rectangle

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



64, 32.861, 310.415



64, 32.861, 0.415



64, 32.861, 130.415



64, 32.861, 180.415

Sweetspot

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



64, 32.859, 310.415



94, 11.136, 309.413



69, 17.421, 257.845



49, 7.931, 309.486



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



64, 32.859, 310.415



76, 48.953, 310.763



67, 36.567, 325.479



39, 6.463, 309.474



25, 89.273, 312.002



2, 22.367, 305.920

Inverse Universe

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



66, 26.229, 346.210



79, 38.855, 346.939



76, 36.534, 142.130



39, 5.202, 344.382



35, 60.737, 1.557



4, 17.858, 352.981

Previews

White Background



This preview shows how the CIELCh color 64, 32.861, 310.415 looks on a white background.

Color Contrast Check

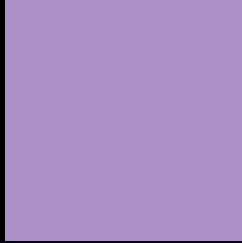
Large Text (above 18pt) WCAG AA × Fail

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, 32.861, 310.415 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

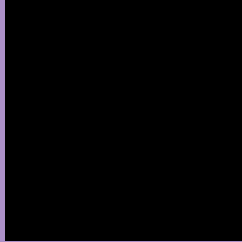
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 32.861, 310.415

Background



This preview shows how black text looks on a background with the CIELCh color 64, 32.861, 310.415.



This preview shows how white text looks on a background with the CIELCh color 64, 32.861, 310.415.

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, 32.861, 310.415

Protanopia
64, 30.263, 285.399

Deuteranopia
64, 25.677, 289.882



Tritanopia
64, 8.834, 331.049

Trichromacy



Original Color
64, 32.861, 310.415

Protanomaly
64, 30.183, 294.575

Deuteranomaly
64, 28.134, 298.615

Tritanomaly
64, 17.366, 316.841

Monochromacy



Original Color
64, 32.861, 310.415

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 12.441, 310.414

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 32.861, 310.415 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(172, 144, 200)` looks like.

```
.text, #text, p{  
    color:rgb(172, 144, 200)  
}
```

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(172, 144, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 144, 200) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 32.861, 310.415 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(172, 144, 200) }
```

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

```
.border{ border-color:rgb(172, 144, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 144, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 144, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 144, 200);  
box-shadow:4px 4px 4px 4px rgb(172, 144,  
200) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 32.861, 310.415 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 144, 200) }
```

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

```
.background{ background-color: rgb(172,  
144, 200) }
```

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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