

Converting Colors

CIELCh(64, 20.671, 318.307)

Have a look what the booklet for
CIELCh(64, 20.671, 318.307)
contains.

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Color

CIELCh(64, 20.648, 318.303)

Conversions

Conversions Part 1

Format	Color
Hex	AC93B4
RGB	172, 147, 180
RGB Percent	67%, 58%, 71%
CMY	0.3266, 0.4246, 0.2953
CMYK	0.04, 0.18, 0.00, 0.30
HSL	285°, 18%, 64%
HSV	285°, 18%, 70%
XYZ	35.5485, 32.8017, 47.4825
YIQ	158.2370, 4.3070, 15.5630

Conversions

Conversions Part 2

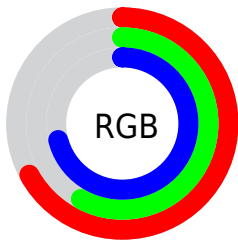
Format	Color
R_{YB}	172, 147, 180
Decimal	11310004
CIE _{Lab}	64.00, 15.42, -13.73
CIE _{LCh}	64, 20.648, 318.303
Yxy	32.8017, 0.3069, 0.2832
Android (android.graphics.Color)	4289500084 (0xFFAC93B4)
YUV	158.2370, 10.7292, 12.0702
Hunter-Lab	57.2727, 10.5656, -9.0640

Details

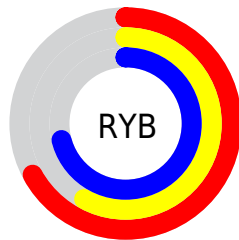
The CIELCh color $64, 20.648, 318.303$ is a light color, and the websafe version is hex `9999CC`. A complement of this color would be $71, 20.424, 136.680$, and the grayscale version is $65, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 20.838, 318.588$, and $44, 20.673, 318.051$ is the 20% darker color. If you saturate the color by 10%, you get $59, 32.084, 318.739$, and if you desaturate by 10%, it is $69, 9.317, 317.859$.

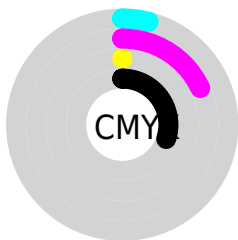
Distribution



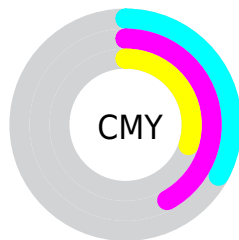
- Red (67%)
- Green (58%)
- Blue (71%)



- Red (67%)
- Yellow (58%)
- Blue (71%)



- Cyan (4%)
- Magenta (18%)
- Yellow (0%)
- Black (30%)





- Cyan (33%)
- Magenta (42%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 20.648, 318.303 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, 20.648, 318.303 by changing the saturation by 10% instead.

 64, 20.648,
318.303


 64, 20.648,
318.303


 100, 20.648,
318.303


 54, 20.648,
318.303


 84, 20.648,
318.303

 44, 20.648,
318.303

 94, 20.648,
318.303

 34, 20.648,
318.303

 24, 20.648,
318.303

 14, 20.648,
318.303

 4, 20.648, 318.303

 0, 20.648, 318.303

64, 20.648,
318.303

64, 20.648,
318.303

59, 32.084,
318.739

69, 9.317, 317.859

54, 43.469,
319.158

74, 1.803, 137.560

50, 54.551,
319.533

79, 12.657,
137.076

46, 64.976,
319.830

84, 23.217,
136.697

42, 74.277,
320.007

89, 33.471,
136.350

39, 81.915,
320.011

95, 43.421,
136.033


37, 87.396,
319.791


95, 42.923,
134.343

35, 90.675,

95, 42.195,
132.533

319.337

 95, 41.507,
130.636

 35, 91.158,
319.260

Harmonies

Complementary

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



64, 20.648, 318.303



71, 20.424, 136.680

Rectangle

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



64, 20.648, 318.303



64, 20.648, 8.303



64, 20.648, 138.303



64, 20.648, 188.303

Sweetspot

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



64, 20.646, 318.303



89, 8.292, 317.756



64, 14.028, 279.654



47, 5.499, 317.786



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



64, 20.646, 318.303



79, 30.818, 318.479



64, 18.574, 333.527



35, 6.286, 317.903



29, 80.917, 319.362



2, 14.716, 314.607

Inverse Universe

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



64, 13.675, 1.883



79, 20.530, 2.369



70, 18.472, 151.050



35, 4.110, 0.878



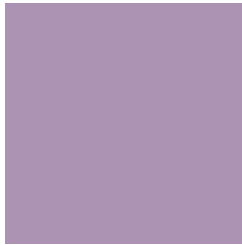
32, 61.393, 25.187



2, 9.522, 4.225

Previews

White Background



This preview shows how the CIELCh color 64, 20.648, 318.303 looks on a white background.

Color Contrast Check

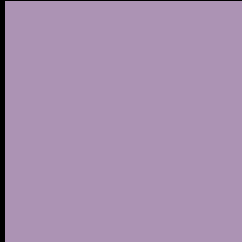
Large Text (above 18pt) WCAG AA × Fail

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 64, 20.648, 318.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

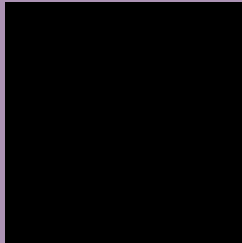
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 20.648, 318.303

Background



This preview shows how black text looks on a background with the CIELCh color 64, 20.648, 318.303.



This preview shows how white text looks on a background with the CIELCh color 64, 20.648, 318.303.

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, 20.648, 318.303

Protanopia

64, 16.784, 285.963

Deuteranopia

64, 15.960, 302.243



Tritanopia
64, 9.908, 337.973

Trichromacy



Original Color
64, 20.648, 318.303

Protanomaly
64, 17.498, 299.030

Deuteranomaly
64, 17.709, 309.828

Tritanomaly
64, 13.279, 327.810

Monochromacy



Original Color
64, 20.648, 318.303

Achromatopsia
65, 0.008, 296.813

Achromatomaly
65, 7.532, 317.574

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 20.648, 318.303 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, 147, 180)` looks like.

```
.text, #text, p{  
    color:rgb(172, 147, 180)  
}
```

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, 147, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 147, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 20.648, 318.303 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, 147, 180) }
```

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

```
.border{ border-color:rgb(172, 147, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 147, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 147, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 147, 180);  
box-shadow:4px 4px 4px 4px rgb(172, 147,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 20.648, 318.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 147, 180) }
```

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

```
.background{ background-color: rgb(172,  
147, 180) }
```

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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