

Converting Colors

CIELCh(64, 20.448, 148.314)

Have a look what the booklet for
CIELCh(64, 20.448, 148.314)
contains.

CIELCh(64, 20.471, 148.304)	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, 20.471, 148.304)

Conversions

Conversions Part 1

Format	Color
Hex	81A387
RGB	129, 163, 135
RGB Percent	51%, 64%, 53%
CMY	0.4925, 0.3591, 0.4690
CMYK	0.21, 0.00, 0.17, 0.36
HSL	131°, 16%, 57%
HSV	131°, 21%, 64%
XYZ	26.6872, 32.8017, 27.9949
YIQ	149.6420, -11.2760, -15.9160

Conversions

Conversions Part 2

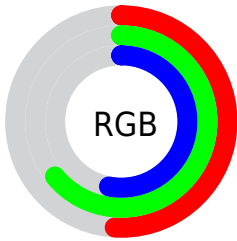
Format	Color
RYB	129, 158, 163
Decimal	8496007
CIELab	64.00, -17.42, 10.76
CIElCh	64, 20.471, 148.304
Yxy	32.8017, 0.3051, 0.3749
Android (android.graphics.Color)	4286686087 (0xFF81A387)
YUV	149.6420, -7.2185, -18.1030
Hunter-Lab	57.2727, -17.0521, 11.1100

Details

The CIELCh color $64, 20.471, 148.304$ is a dark color, and the websafe version is hex 669966 . A complement of this color would be $58, 20.540, 330.970$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 20.659, 148.295$, and $44, 20.491, 148.083$ is the 20% darker color. If you saturate the color by 10%, you get $63, 30.291, 147.442$, and if you desaturate by 10%, it is $65, 10.597, 149.055$.

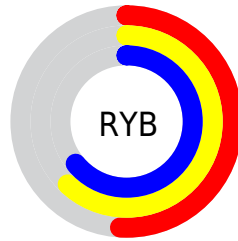
Distribution



Red (51%)

Green (64%)

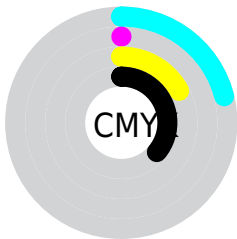
Blue (53%)



Red (51%)

Yellow (62%)

Blue (64%)

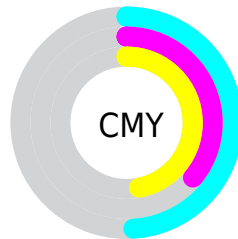


Cyan (21%)

Magenta (0%)

Yellow (17%)

Black (36%)



Cyan (49%)


Magenta (36%)


Yellow (47%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 20.471, 148.304 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, 20.471, 148.304 by changing the saturation by 10% instead.

 64, 20.471,
148.304


 64, 20.471,
148.304


 100, 20.471,
148.304


 54, 20.471,
148.304


 84, 20.471,
148.304

 44, 20.471,
148.304

 94, 20.471,
148.304

 34, 20.471,
148.304

 24, 20.471,
148.304

 14, 20.471,
148.304

 4, 20.471, 148.304

 0, 20.471, 148.304

■ 64, 20.471,
148.304

■ 64, 20.471,
148.304

■ 63, 30.291,
147.442

■ 65, 10.597,
149.055

■ 62, 39.896,
146.447

■ 67, 0.787, 149.999

■ 61, 49.099,
145.304

■ 69, 8.867, 330.190

■ 71, 18.299,
330.685

■ 60, 57.688,
144.010

■ 73, 27.471,
331.109

■ 59, 65.439,
142.578

■ 75, 36.357,
331.480

■ 59, 72.128,
141.047


■ 77, 44.949,
331.807

■ 59, 77.554,
139.495

■ 79, 52.293,
330.385

■ 58, 81.389,

138.234

 79, 57.088,
326.389

Harmonies

Complementary

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



64, 20.471, 148.304



58, 20.540, 330.970

Rectangle

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



64, 20.471, 148.304



64, 20.471, 198.304



64, 20.471, 328.304



64, 20.471, 18.304

Sweetspot

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



64, 20.472, 148.304



84, 7.232, 149.386



66, 18.817, 115.226



44, 4.838, 149.342



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



64, 20.472, 148.304



80, 30.360, 147.919



64, 14.217, 171.767



34, 5.531, 149.164



52, 74.405, 138.394



4, 8.683, 149.165

Inverse Universe

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



58, 20.540, 330.970



72, 30.464, 331.265



58, 14.980, 355.740



32, 5.547, 330.241



33, 66.429, 336.559



1, 8.313, 331.265

Previews

White Background



This preview shows how the CIELCh color 64, 20.471, 148.304 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, 20.471, 148.304 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, 20.471, 148.304

Background



This preview shows how black text looks on a background with the CIELCh color 64, 20.471, 148.304.



This preview shows how white text looks on a background with the CIELCh color 64, 20.471, 148.304.

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

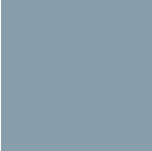
64, 20.471, 148.304

Protanopia

64, 13.284, 92.697

Deuteranopia

64, 12.639, 49.007



Tritanopia
64, 10.506, 242.768

Trichromacy



Original Color
64, 20.471, 148.304

Protanomaly
64, 13.530, 118.979

Deuteranomaly
64, 9.649, 97.123

Tritanomaly
64, 9.654, 191.923

Monochromacy



Original Color
64, 20.471, 148.304

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 7.301, 148.951

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 20.471, 148.304 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(129, 163, 135)` looks like.

```
.text, #text, p{  
    color:rgb(129, 163, 135)  
}
```

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(129, 163, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 163, 135) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 20.471, 148.304 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(129, 163, 135) }
```

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

```
.border{ border-color:rgb(129, 163, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 163, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 163, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 163, 135);  
box-shadow:4px 4px 4px 4px rgb(129, 163,  
135) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 20.471, 148.304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 163, 135) }
```

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

```
.background{ background-color: rgb(129,  
163, 135) }
```

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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