

Converting Colors

CIELCh(64, 12.666, 224.783)

Have a look what the booklet for
CIELCh(64, 12.666, 224.783)
contains.

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Color

CIELCh(64, 12.666, 224.783)

Conversions

Conversions Part 1

Format	Color
Hex	80A1AB
RGB	128, 161, 171
RGB Percent	50%, 63%, 67%
CMY	0.4998, 0.3705, 0.3313
CMYK	0.25, 0.06, 0.00, 0.33
HSL	194°, 20%, 58%
HSV	194°, 25%, 67%
XYZ	28.8016, 32.8017, 43.1043
YIQ	152.2730, -22.8780, -3.8860

Conversions

Conversions Part 2

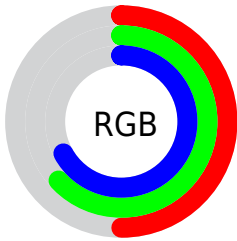
Format	Color
RYB	128, 147, 171
Decimal	8429995
CIELab	64.00, -8.99, -8.92
CIElCh	64, 12.666, 224.783
Yxy	32.8017, 0.2751, 0.3133
Android (android.graphics.Color)	4286620075 (0xFF80A1AB)
YUV	152.2730, 9.2324, -21.2874
Hunter-Lab	57.2727, -10.4625, -4.5316

Details

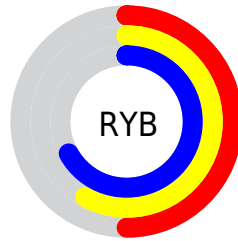
The CIELCh color `64, 12.666, 224.783` is a light color, and the websafe version is hex `669999`. A complement of this color would be `60, 14.901, 42.594`, and the grayscale version is `63, 0.008, 296.813`.

A 20% lighter version of the original color is `84, 12.525, 223.708`, and `44, 12.798, 226.380` is the 20% darker color. If you saturate the color by 10%, you get `62, 17.090, 225.710`, and if you desaturate by 10%, it is `66, 7.865, 224.094`.

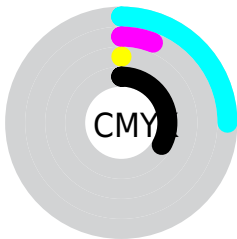
Distribution



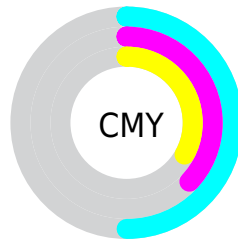
- Red (50%)
- Green (63%)
- Blue (67%)



- Red (50%)
- Yellow (58%)
- Blue (67%)



- Cyan (25%)
- Magenta (6%)
- Yellow (0%)
- Black (33%)




- Cyan (50%)
- Magenta (37%)
- Yellow (33%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 12.666, 224.783 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, 12.666, 224.783 by changing the saturation by 10% instead.

 64, 12.666,
224.783


 64, 12.666,
224.783


 100, 12.666,
224.783


 54, 12.666,
224.783


 84, 12.666,
224.783

 44, 12.666,
224.783

 94, 12.666,
224.783

 34, 12.666,
224.783

 24, 12.666,
224.783

 14, 12.666,
224.783

 4, 12.666, 224.783

 0, 12.666, 224.783

■ 64, 12.666,
224.783

■ 64, 12.666,
224.783

■ 62, 17.090,
225.710

■ 66, 7.865, 224.094

■ 60, 21.063,
226.946

■ 69, 2.759, 223.685

■ 71, 2.587, 42.956

■ 58, 24.516,
228.554

■ 73, 8.116, 42.821

■ 56, 27.397,
230.617

■ 76, 13.782, 42.673

■ 79, 19.543, 42.580

■ 54, 29.685,
233.223

■ 81, 25.370, 42.534

■ 53, 31.407,
236.449

■ 83, 27.828, 45.071

■ 84, 27.379, 50.056

■ 51, 32.656,
240.333

■ 51, 33.209,

Harmonies

Complementary

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



64, 12.666, 224.783



60, 14.901, 42.594

Rectangle

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



64, 12.666, 224.783



64, 12.666, 274.783



64, 12.666, 44.783



64, 12.666, 94.783

Sweetspot

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



64, 12.666, 224.777



86, 5.217, 223.760



66, 24.927, 149.292



46, 3.724, 223.817



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



64, 12.666, 224.777



80, 18.346, 225.241



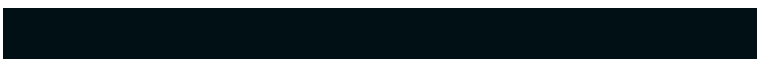
58, 17.883, 278.490



34, 2.939, 223.803



44, 29.841, 241.714



4, 5.389, 231.490

Inverse Universe

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



58, 24.777, 333.320



72, 36.504, 333.694



66, 17.731, 91.837



33, 5.468, 332.242



33, 64.572, 339.940



2, 9.446, 334.257

Previews

White Background



This preview shows how the CIELCh color 64, 12.666, 224.783 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, 12.666, 224.783 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

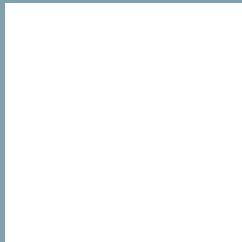
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 12.666, 224.783

Background



This preview shows how black text looks on a background with the CIELCh color 64, 12.666, 224.783.




This preview shows how white text looks on a background with the CIELCh color 64, 12.666, 224.783.

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





Tritanopia
64, 13.082, 232.459

Trichromacy



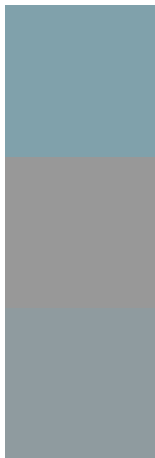
Original Color
64, 12.666, 224.783

Protanomaly
64, 7.902, 257.361

Deuteranomaly
64, 10.173, 280.996

Tritanomaly
64, 12.829, 230.217

Monochromacy



Original Color
64, 12.666, 224.783

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 4.952, 226.025

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 12.666, 224.783 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(128, 161, 171)` looks like.

```
.text, #text, p{  
    color:rgb(128, 161, 171)  
}
```

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(128, 161, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 161, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 12.666, 224.783 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(128, 161, 171) }
```

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

```
.border{ border-color:rgb(128, 161, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 161, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 161, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 161, 171);  
box-shadow:4px 4px 4px 4px rgb(128, 161,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 12.666, 224.783 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 161, 171) }
```

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

```
.background{ background-color: rgb(128,  
161, 171) }
```

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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