

Converting Colors

CIELCh(64, 21.493, 221.921)

Have a look what the booklet for
CIELCh(64, 21.493, 221.921)
contains.

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Color

CIELCh(64, 21.404, 222.769)

Conversions

Conversions Part 1

Format	Color
Hex	66A4B4
RGB	102, 164, 180
RGB Percent	40%, 64%, 71%
CMY	0.5989, 0.3557, 0.2930
CMYK	0.43, 0.09, 0.00, 0.29
HSL	192°, 34%, 55%
HSV	192°, 43%, 71%
XYZ	27.1064, 32.8017, 48.2373
YIQ	147.2860, -42.0880, -8.1680

Conversions

Conversions Part 2

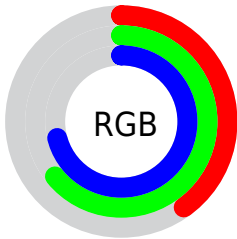
Format	Color
RYB	102, 137, 180
Decimal	6726836
CIELab	64.00, -15.71, -14.53
CIElCh	64, 21.404, 222.769
Yxy	32.8017, 0.2506, 0.3033
Android (android.graphics.Color)	4284916916 (0xFF66A4B4)
YUV	147.2860, 16.1280, -39.7158
Hunter-Lab	57.2727, -15.7458, -9.8454

Details

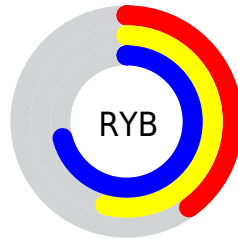
The CIELCh color **64, 21.404, 222.769** is a light color, and the websafe version is hex **669999**. A complement of this color would be **56, 29.258, 40.008**, and the grayscale version is **61, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 21.350, 223.223**, and **44, 21.397, 222.572** is the 20% darker color. If you saturate the color by 10%, you get **62, 25.081, 224.071**, and if you desaturate by 10%, it is **66, 17.160, 221.789**.

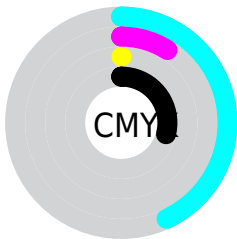
Distribution



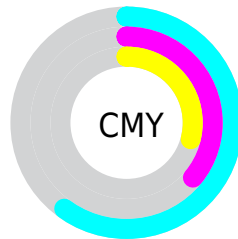
- Red (40%)
- Green (64%)
- Blue (71%)



- Red (40%)
- Yellow (54%)
- Blue (71%)



- Cyan (43%)
- Magenta (9%)
- Yellow (0%)
- Black (29%)




- Cyan (60%)
- Magenta (36%)
- Yellow (29%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 21.404, 222.769 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, 21.404, 222.769 by changing the saturation by 10% instead.

 64, 21.404,
222.769


 64, 21.404,
222.769


 100, 21.404,
222.769


 54, 21.404,
222.769


 84, 21.404,
222.769

 44, 21.404,
222.769

 94, 21.404,
222.769

 34, 21.404,
222.769

 24, 21.404,
222.769

 14, 21.404,
222.769

 4, 21.404, 222.769

 0, 21.404, 222.769

64, 21.404,
222.769

64, 21.404,
222.769

62, 25.081,
224.071

66, 17.160,
221.789

60, 28.127,
225.777

68, 12.430,
221.077

59, 30.505,
227.967

70, 7.297, 220.587

57, 32.226,
230.721

73, 1.841, 220.435

75, 3.869, 39.803

56, 33.363,
234.101

78, 9.770, 39.748

55, 33.954,
236.613

80, 15.811, 39.710

83, 21.951, 39.719

84, 24.512, 42.432

Harmonies

Complementary

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



64, 21.404, 222.769



56, 29.258, 40.008

Rectangle

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



64, 21.404, 222.769



64, 21.404, 272.769



64, 21.404, 42.769



64, 21.404, 92.769

Sweetspot

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



64, 21.404, 222.766



89, 8.861, 220.586



67, 44.910, 146.914



47, 6.158, 220.674



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, 21.404, 222.766



79, 30.391, 224.015



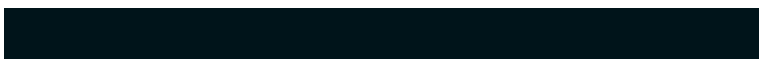
53, 32.082, 280.923



37, 3.122, 220.458



47, 30.040, 236.047



5, 7.499, 230.056

Inverse Universe

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



54, 44.832, 333.545



65, 65.517, 334.241



66, 31.715, 88.188



35, 5.854, 331.254



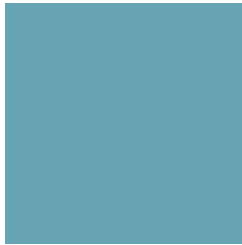
34, 67.476, 338.291



2, 13.262, 333.834

Previews

White Background



This preview shows how the CIELCh color 64, 21.404, 222.769 looks on a white background.

Color Contrast Check

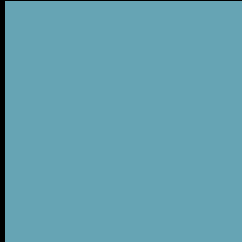
Large Text (above 18pt) WCAG AA × Fail

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, 21.404, 222.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

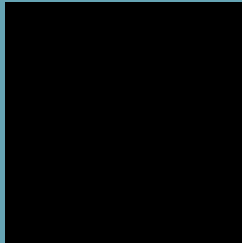
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 21.404, 222.769

Background



This preview shows how black text looks on a background with the CIELCh color 64, 21.404, 222.769.

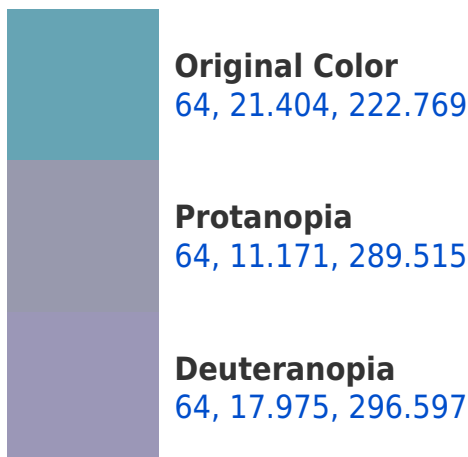


This preview shows how white text looks on a background with the CIELCh color 64, 21.404, 222.769.

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, 21.273, 217.924

Trichromacy



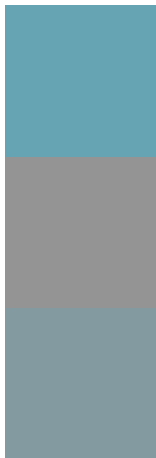
Original Color
64, 21.404, 222.769

Protanomaly
64, 13.088, 253.436

Deuteranomaly
64, 15.851, 265.964

Tritanomaly
64, 21.382, 219.444

Monochromacy



Original Color
64, 21.404, 222.769

Achromatopsia
61, 0.008, 296.813

Achromatomaly
62, 8.923, 221.008

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 21.404, 222.769 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(102, 164, 180)` looks like.

```
.text, #text, p{  
    color:rgb(102, 164, 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(102, 164, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 164, 180) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 21.404, 222.769 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(102, 164, 180) }
```

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

```
.border{ border-color:rgb(102, 164, 180) }
```

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

Here you see how a box with a 4 pixel rgb(102, 164, 180) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 164, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 164, 180);  
box-shadow:4px 4px 4px 4px rgb(102, 164,  
180) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 21.404, 222.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 164, 180) }
```

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

```
.background{ background-color: rgb(102,  
164, 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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