

Converting Colors

CIELCh(64, 32.765, 242.991)

Have a look what the booklet for
CIELCh(64, 32.765, 242.991)
contains.

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Color

CIELCh(64, 32.628, 242.912)

Conversions

Conversions Part 1

Format	Color
Hex	48A5CE
RGB	72, 165, 206
RGB Percent	28%, 65%, 81%
CMY	0.7170, 0.3524, 0.1916
CMYK	0.65, 0.20, 0.00, 0.19
HSL	198°, 58%, 55%
HSV	198°, 65%, 81%
XYZ	27.3182, 32.8017, 63.3671
YIQ	141.8670, -68.5890, -6.9650

Conversions

Conversions Part 2

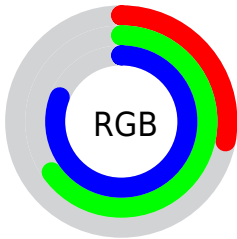
Format	Color
RYB	72, 127, 206
Decimal	4761038
CIELab	64.00, -14.86, -29.05
CIELCh	64, 32.628, 242.912
Yxy	32.8017, 0.2212, 0.2656
Android (android.graphics.Color)	4282951118 (0xFF48A5CE)
YUV	141.8670, 31.6176, -61.2734
Hunter-Lab	57.2727, -15.0855, -25.5080

Details

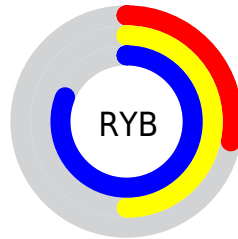
The CIELCh color **64, 32.628, 242.912** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **58, 50.752, 49.348**, and the grayscale version is **59, 0.008, 296.813**.

A 20% lighter version of the original color is **84, 30.469, 235.723**, and **44, 31.192, 246.811** is the 20% darker color. If you saturate the color by 10%, you get **62, 35.859, 246.330**, and if you desaturate by 10%, it is **67, 28.864, 240.126**.

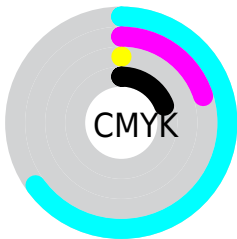
Distribution



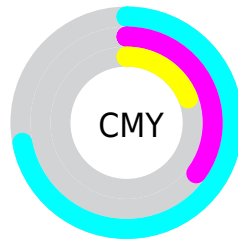
- Red (28%)
- Green (65%)
- Blue (81%)



- Red (28%)
- Yellow (50%)
- Blue (81%)



- Cyan (65%)
- Magenta (20%)
- Yellow (0%)
- Black (19%)





- Cyan (72%)
- Magenta (35%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 32.628, 242.912 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, 32.628, 242.912 by changing the saturation by 10% instead.


 64, 32.628,
242.912

 64, 32.628,
242.912


 100, 32.628,
242.912


 54, 32.628,
242.912


 84, 32.628,
242.912

 44, 32.628,
242.912

 94, 32.628,
242.912

 34, 32.628,
242.912

 24, 32.628,
242.912

 14, 32.628,
242.912

 4, 32.628, 242.912

 0, 32.628, 242.912

64, 32.628,
242.912

64, 32.628,
242.912

62, 35.859,
246.330

67, 28.864,
240.126

59, 38.625,
250.430

69, 24.566,
237.889

57, 41.066,
255.183

72, 19.770,
236.111

56, 42.276,
257.654

75, 14.537,
234.707

78, 8.936, 233.613

81, 3.039, 232.844

84, 3.092, 51.813

88, 9.399, 51.375

91, 14.954, 52.957

Harmonies

Complementary

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



64, 32.628, 242.912



58, 50.752, 49.348

Rectangle

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



64, 32.628, 242.912



64, 32.628, 292.912



64, 32.628, 62.912



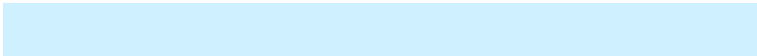
64, 32.628, 112.912

Sweetspot

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



64, 32.627, 242.912



93, 13.328, 234.043



74, 67.050, 147.389



49, 9.107, 234.365



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, 32.627, 242.912



74, 43.445, 247.876



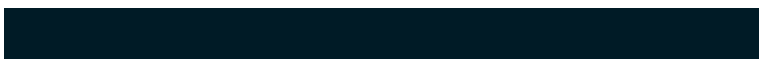
45, 63.496, 292.657



41, 3.393, 233.127



46, 35.675, 256.788



8, 12.135, 245.200

Inverse Universe

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



52, 66.159, 340.030



60, 87.267, 341.820



74, 56.516, 92.571



40, 6.083, 335.141



37, 66.711, 345.152



4, 22.626, 341.127

Previews

White Background



This preview shows how the CIE LCh color 64, 32.628, 242.912 looks on a white background.

Color Contrast Check

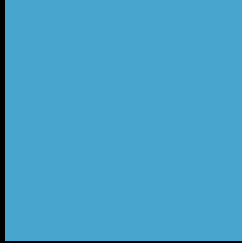
Large Text (above 18pt) WCAG AA × Fail

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, 32.628, 242.912 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, 32.628, 242.912

Background



This preview shows how black text looks on a background with the CIELCh color 64, 32.628, 242.912.

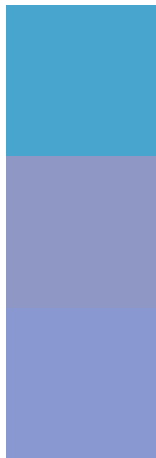


This preview shows how white text looks on a background with the CIELCh color 64, 32.628, 242.912.

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, 32.628, 242.912

Protanopia

64, 25.228, 286.015

Deuteranopia

64, 31.972, 285.523



Tritanopia
64, 30.688, 211.983

Trichromacy



Original Color
64, 32.628, 242.912

Protanomaly
63, 26.518, 264.621

Deuteranomaly
64, 30.662, 268.136

Tritanomaly
64, 30.458, 222.512

Monochromacy



Original Color
64, 32.628, 242.912

Achromatopsia
59, 0.008, 296.813

Achromatomaly
60, 13.989, 236.063

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 32.628, 242.912 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(72, 165, 206)` looks like.

```
.text, #text, p{  
    color:rgb(72, 165, 206)  
}
```

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(72, 165, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 165, 206) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 32.628, 242.912 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(72, 165, 206) }
```

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

```
.border{ border-color:rgb(72, 165, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 165, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 165, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 165, 206);  
box-shadow:4px 4px 4px 4px rgb(72, 165,  
206) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 32.628, 242.912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 165, 206) }
```

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

```
.background{ background-color: rgb(72, 165,  
206) }
```

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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