

Converting Colors

CIELCh(64, 31.421, 233.085)

Have a look what the booklet for
CIELCh(64, 31.421, 233.085)
contains.

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Color

CIELCh(64, 31.433, 232.549)

Conversions

Conversions Part 1

Format	Color
Hex	42A7C7
RGB	66, 167, 199
RGB Percent	26%, 65%, 78%
CMY	0.7424, 0.3461, 0.2206
CMYK	0.67, 0.16, 0.00, 0.22
HSL	194°, 54%, 52%
HSV	194°, 67%, 78%
XYZ	26.2746, 32.8017, 58.8183
YIQ	140.4490, -70.4680, -11.4600

Conversions

Conversions Part 2

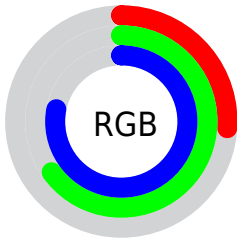
Format	Color
R _Y B	66, 123, 199
Decimal	4368327
CIE Lab	64.00, -19.11, -24.95
CIE LCh	64, 31.433, 232.549
Yxy	32.8017, 0.2229, 0.2782
Android (android.graphics.Color)	4282558407 (0xFF42A7C7)
YUV	140.4490, 28.8656, -65.2918
Hunter-Lab	57.2727, -18.3381, -20.7990

Details

The CIELCh color **64, 31.433, 232.549** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **53, 52.616, 44.054**, and the grayscale version is **58, 0.007, 296.813**.

A 20% lighter version of the original color is **84, 31.306, 232.010**, and **45, 28.895, 236.214** is the 20% darker color. If you saturate the color by 10%, you get **62, 33.909, 235.431**, and if you desaturate by 10%, it is **66, 28.295, 230.254**.

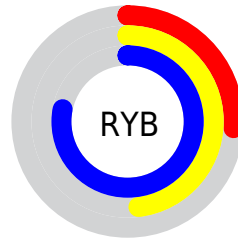
Distribution



Red (26%)

Green (65%)

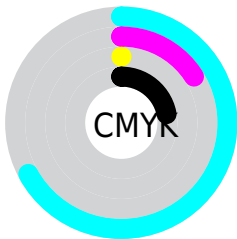
Blue (78%)



Red (26%)

Yellow (48%)

Blue (78%)

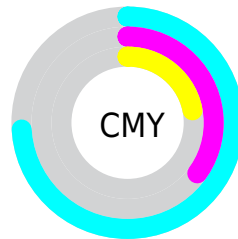


Cyan (67%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (74%)

Magenta (35%)

Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 31.433, 232.549 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, 31.433, 232.549 by changing the saturation by 10% instead.

 64, 31.433,
232.549


 64, 31.433,
232.549


 100, 31.433,
232.549


 54, 31.433,
232.549


 84, 31.433,
232.549

 44, 31.433,
232.549

 94, 31.433,
232.549

 34, 31.433,
232.549

 24, 31.433,
232.549

 14, 31.433,
232.549

 4, 31.433, 232.549

 0, 31.433, 232.549

■ 64, 31.433,
232.549

■ 64, 31.433,
232.549

■ 62, 33.909,
235.431

■ 66, 28.295,
230.254

■ 60, 35.777,
238.975

■ 68, 24.507,
228.457

■ 59, 37.174,
243.180

■ 71, 20.119,
227.069

■ 58, 37.586,
244.500

■ 73, 15.208,
226.014

■ 76, 9.855, 225.229

■ 78, 4.144, 224.704

■ 81, 1.851, 43.853

■ 84, 8.062, 43.760

■ 87, 14.434, 43.573

Harmonies

Complementary

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



64, 31.433, 232.549



53, 52.616, 44.054

Rectangle

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



64, 31.433, 232.549



64, 31.433, 282.549



64, 31.433, 52.549



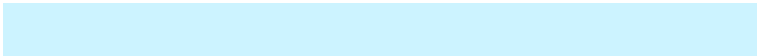
64, 31.433, 102.549

Sweetspot

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



64, 31.432, 232.548



93, 14.103, 225.464



71, 70.238, 144.791



49, 9.540, 225.686



0, 0.000, 0.000



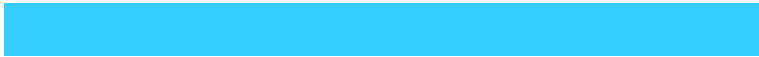
53, 0.007, 296.813

Same Dimension

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



64, 31.432, 232.548



77, 41.947, 236.847



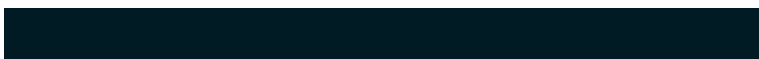
45, 58.065, 289.517



41, 3.363, 224.801



48, 32.363, 243.782



8, 11.128, 233.737

Inverse Universe

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



50, 68.448, 336.970



60, 92.020, 338.404



69, 53.872, 87.422



39, 6.243, 332.553



36, 68.926, 340.575



4, 21.657, 337.122

Previews

White Background



This preview shows how the CIELCh color 64, 31.433, 232.549 looks on a white background.

Color Contrast Check

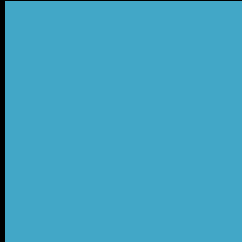
Large Text (above 18pt) WCAG AA × Fail

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, 31.433, 232.549 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, 31.433, 232.549

Background



This preview shows how black text looks on a background with the CIELCh color 64, 31.433, 232.549.

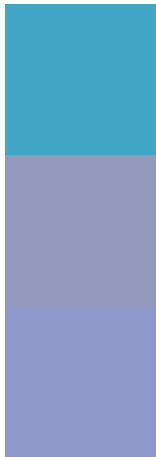


This preview shows how white text looks on a background with the CIELCh color 64, 31.433, 232.549.

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, 31.433, 232.549

Protanopia

64, 20.179, 285.473

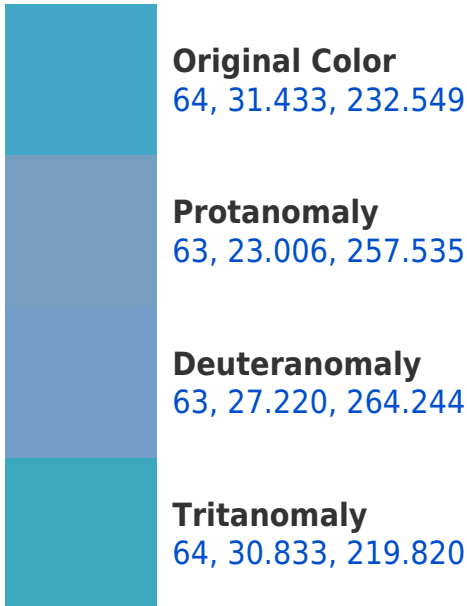
Deuteranopia

64, 27.981, 287.060



Tritanopia
64, 31.128, 211.736

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 31.433, 232.549 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(66, 167, 199)` looks like.

```
.text, #text, p{  
    color:rgb(66, 167, 199)  
}
```

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(66, 167, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 167, 199) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 31.433, 232.549 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(66, 167, 199) }
```

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

```
.border{ border-color:rgb(66, 167, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 167, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 167, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 167, 199);  
box-shadow:4px 4px 4px 4px rgb(66, 167,  
199) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 31.433, 232.549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 167, 199) }
```

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

```
.background{ background-color: rgb(66, 167,  
199) }
```

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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