

Converting Colors

CIELCh(64, 23.376, 277.816)

Have a look what the booklet for
CIELCh(64, 23.376, 277.816)
contains.

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Color

CIELCh(64, 23.422, 277.870)

Conversions

Conversions Part 1

Format	Color
Hex	899BC4
RGB	137, 155, 196
RGB Percent	54%, 61%, 77%
CMY	0.4623, 0.3917, 0.2309
CMYK	0.30, 0.21, 0.00, 0.23
HSL	222°, 33%, 65%
HSV	222°, 30%, 77%
XYZ	32.0550, 32.8017, 56.9402
YIQ	154.2920, -23.8890, 8.9350

Conversions

Conversions Part 2

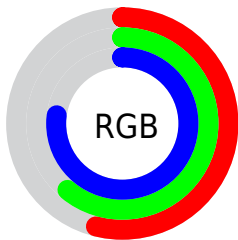
Format	Color
R _Y B	137, 151, 196
Decimal	9018308
CIE Lab	64.00, 3.21, -23.20
CIE LCh	64, 23.422, 277.870
Yxy	32.8017, 0.2632, 0.2693
Android (android.graphics.Color)	4287208388 (0xFF899BC4)
YUV	154.2920, 20.5620, -15.1651
Hunter-Lab	57.2727, -0.3226, -18.8548

Details

The CIELCh color $64, 23.422, 277.870$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $73, 23.336, 89.525$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 23.691, 278.730$, and $44, 23.368, 277.616$ is the 20% darker color. If you saturate the color by 10%, you get $59, 31.524, 279.908$, and if you desaturate by 10%, it is $69, 15.486, 276.125$.

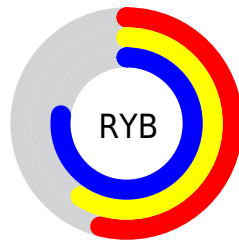
Distribution



Red (54%)

Green (61%)

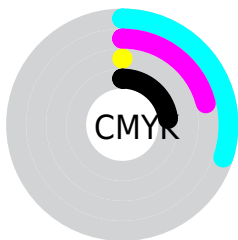
Blue (77%)



Red (54%)

Yellow (59%)

Blue (77%)

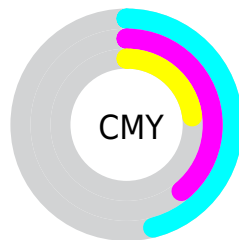


Cyan (30%)

Magenta (21%)

Yellow (0%)

Black (23%)



Cyan (46%)

Magenta (39%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 64, 23.422, 277.870 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, 23.422, 277.870 by changing the saturation by 10% instead.

■ 64, 23.422,
277.870

■ 64, 23.422,
277.870

■ 100, 23.422,
277.870

■ 54, 23.422,
277.870

■ 84, 23.422,
277.870

■ 44, 23.422,
277.870

■ 94, 23.422,
277.870

■ 34, 23.422,
277.870

■ 24, 23.422,
277.870

■ 14, 23.422,
277.870

■ 4, 23.422, 277.870

■ 0, 23.422, 277.870

64, 23.422,
277.870

64, 23.422,
277.870

59, 31.524,
279.908

69, 15.486,
276.125

54, 39.817,
282.282

74, 7.706, 274.642

79, 0.073, 276.342

49, 48.332,
285.015

84, 7.417, 92.187

44, 57.097,
288.096

89, 14.765, 91.236

40, 66.107,
291.457

94, 21.972, 90.397

98, 27.569,
104.526

36, 75.258,
294.948

99, 29.666,
107.922

32, 84.207,
298.244

Harmonies

Complementary

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



64, 23.422, 277.870



73, 23.336, 89.525

Rectangle

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



64, 23.422, 277.870



64, 23.422, 327.870



64, 23.422, 97.870



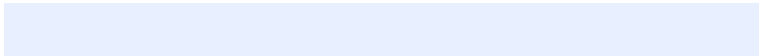
64, 23.422, 147.870

Sweetspot

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



64, 23.421, 277.869



94, 8.504, 274.515



75, 23.260, 171.860



49, 5.917, 274.715



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, 23.421, 277.869



78, 34.910, 279.154



60, 33.659, 299.920



38, 4.287, 274.545



26, 71.534, 297.729



3, 15.433, 281.104

Inverse Universe

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



63, 25.163, 358.910



77, 37.537, 359.863



77, 31.451, 115.240



38, 4.530, 356.433



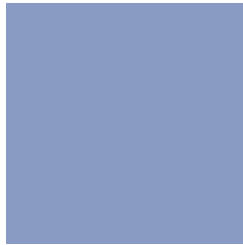
33, 61.717, 19.988



3, 14.634, 3.225

Previews

White Background



This preview shows how the CIELCh color 64, 23.422, 277.870 looks on a white background.

Color Contrast Check

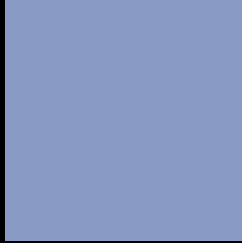
Large Text (above 18pt) WCAG AA × Fail

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, 23.422, 277.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

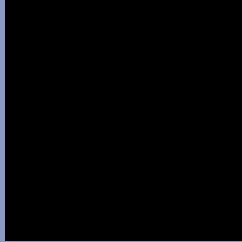
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

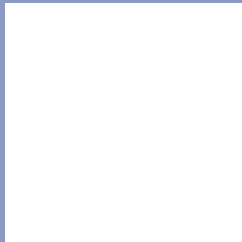
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 64, 23.422, 277.870

Background



This preview shows how black text looks on a background with the CIELCh color 64, 23.422, 277.870.



This preview shows how white text looks on a background with the CIELCh color 64, 23.422, 277.870.

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, 23.422, 277.870

Protanopia

64, 23.517, 286.078

Deuteranopia

64, 25.123, 289.752



Tritanopia
64, 11.765, 237.004

Trichromacy



Original Color
64, 23.422, 277.870

Protanomaly
64, 23.096, 282.574

Deuteranomaly
64, 24.649, 285.764

Tritanomaly
64, 15.007, 258.113

Monochromacy



Original Color
64, 23.422, 277.870

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 8.613, 276.355

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 23.422, 277.870 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(137, 155, 196)` looks like.

```
.text, #text, p{  
    color:rgb(137, 155, 196)  
}
```

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(137, 155, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 155, 196) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 23.422, 277.870 is called "border". The border property can be set on classes, ids or directly on the HTML element.

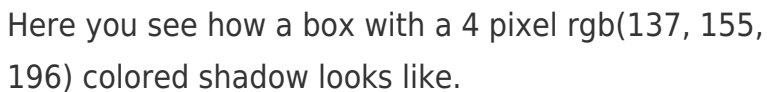
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(137, 155, 196) }
```

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

```
.border{ border-color:rgb(137, 155, 196) }
```

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



Here you see how a box with a 4 pixel `rgb(137, 155, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 155, 196); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 155, 196); box-shadow:4px 4px 4px 4px rgb(137, 155, 196) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 23.422, 277.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 155, 196) }
```

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

```
.background{ background-color: rgb(137,  
155, 196) }
```

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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