

Converting Colors

CIELCh(63, 16.553, 261.581)

Have a look what the booklet for
CIELCh(63, 16.553, 261.581)
contains.

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Color

CIELCh(63, 16.432, 261.786)

Conversions

Conversions Part 1

Format	Color
Hex	839BB5
RGB	131, 155, 181
RGB Percent	51%, 61%, 71%
CMY	0.4864, 0.3923, 0.2903
CMYK	0.28, 0.14, 0.00, 0.29
HSL	211°, 25%, 61%
HSV	211°, 28%, 71%
XYZ	29.4057, 31.5869, 48.2421
YIQ	150.7880, -22.6500, 2.9980

Conversions

Conversions Part 2

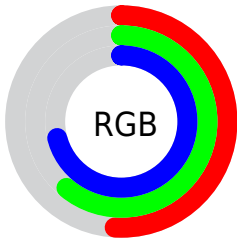
Format	Color
RYB	131, 147, 181
Decimal	8625077
CIELab	63.00, -2.35, -16.26
CIELCh	63, 16.432, 261.786
Yxy	31.5869, 0.2692, 0.2892
Android (android.graphics.Color)	4286815157 (0xFF839BB5)
YUV	150.7880, 14.8945, -17.3541
Hunter-Lab	56.2022, -4.9604, -11.5509

Details

The CIELCh color $63, 16.432, 261.786$ is a light color, and the websafe version is hex $6699CC$. A complement of this color would be $66, 17.542, 74.088$, and the grayscale version is $62, 0.008, 296.813$.

A 20% lighter version of the original color is $83, 16.586, 262.756$, and $43, 16.372, 261.403$ is the 20% darker color. If you saturate the color by 10%, you get $59, 22.265, 263.853$, and if you desaturate by 10%, it is $67, 10.528, 260.042$.

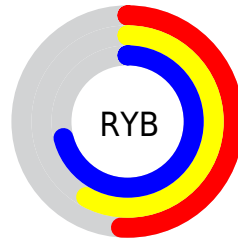
Distribution



Red (51%)

Green (61%)

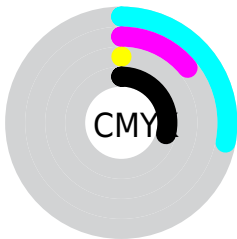
Blue (71%)



Red (51%)

Yellow (58%)

Blue (71%)

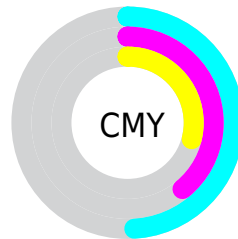


Cyan (28%)

Magenta (14%)

Yellow (0%)

Black (29%)



Cyan (49%)


Magenta (39%)


Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 16.432, 261.786 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 63, 16.432, 261.786 by changing the saturation by 10% instead.


 63, 16.432,
261.786


 63, 16.432,
261.786


 100, 16.432,
261.786


 53, 16.432,
261.786


 83, 16.432,
261.786

 43, 16.432,
261.786

 93, 16.432,
261.786

 33, 16.432,
261.786

 23, 16.432,
261.786

 13, 16.432,
261.786

 3, 16.432, 261.786

 0, 16.432, 261.786

63, 16.432,
261.786

63, 16.432,
261.786

59, 22.265,
263.853

67, 10.528,
260.042

55, 28.021,
266.307

71, 4.572, 258.599

75, 1.415, 77.036

52, 33.701,
269.195

78, 7.414, 76.144

48, 39.333,
272.550

82, 13.410, 75.234

45, 44.970,
276.362

86, 19.385, 74.435

90, 24.724, 75.698

42, 50.687,
280.556

92, 27.156, 87.263

39, 56.565,
284.925

95, 30.497, 96.511

38, 57.998,

285.899

Harmonies

Complementary

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



63, 16.432, 261.786



66, 17.542, 74.088

Rectangle

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



63, 16.432, 261.786



63, 16.432, 311.786



63, 16.432, 81.786



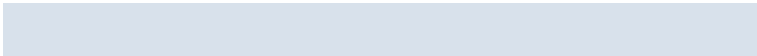
63, 16.432, 131.786

Sweetspot

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



63, 16.431, 261.783



89, 5.920, 258.664



70, 22.762, 162.036



47, 4.202, 258.861



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



63, 16.431, 261.783



77, 24.166, 262.966



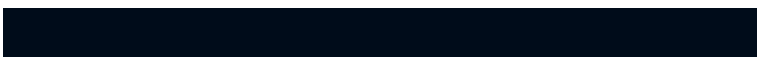
57, 28.624, 294.022



36, 3.355, 258.819



32, 50.565, 285.271



3, 8.956, 267.650

Inverse Universe

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



60, 23.568, 347.296



73, 34.839, 347.971



72, 26.811, 108.264



35, 4.694, 345.475



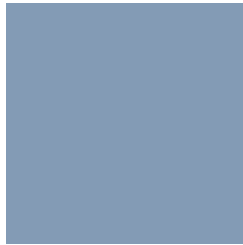
32, 57.779, 3.188



2, 10.488, 350.973

Previews

White Background



This preview shows how the CIELCh color 63, 16.432, 261.786 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 63, 16.432, 261.786 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

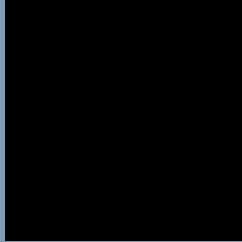
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

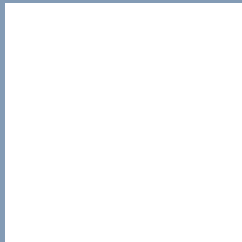
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 63, 16.432, 261.786

Background



This preview shows how black text looks on a background with the CIELCh color 63, 16.432, 261.786.



This preview shows how white text looks on a background with the CIELCh color 63, 16.432, 261.786.

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


63, 16.432, 261.786

Protanopia

63, 15.151, 286.434

Deuteranopia

63, 18.547, 295.433



Tritanopia
63, 11.758, 233.689

Trichromacy



Original Color
63, 16.432, 261.786

Protanomaly
63, 15.491, 277.415

Deuteranomaly
63, 17.465, 284.013

Tritanomaly
63, 12.922, 246.510

Monochromacy



Original Color
63, 16.432, 261.786

Achromatopsia
62, 0.008, 296.813

Achromatomaly
63, 6.278, 262.701

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 16.432, 261.786 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(131, 155, 181)` looks like.

```
.text, #text, p{  
    color:rgb(131, 155, 181)  
}
```

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(131, 155, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 155, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 16.432, 261.786 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(131, 155, 181) }
```

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

```
.border{ border-color:rgb(131, 155, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(131, 155, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 155, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 155, 181);  
box-shadow:4px 4px 4px 4px rgb(131, 155,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 16.432, 261.786 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 155, 181) }
```

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

```
.background{ background-color: rgb(131,  
155, 181) }
```

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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