

Converting Colors

CIELCh(63, 37.521, 286.505)

Have a look what the booklet for
CIELCh(63, 37.521, 286.505)
contains.

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Color

CIELCh(63, 37.623, 286.647)

Conversions

Conversions Part 1

Format	Color
Hex	8595D8
RGB	133, 149, 216
RGB Percent	52%, 58%, 85%
CMY	0.4771, 0.4144, 0.1516
CMYK	0.38, 0.31, 0.00, 0.15
HSL	228°, 52%, 69%
HSV	228°, 38%, 85%
XYZ	32.9644, 31.5869, 69.5618
YIQ	151.8540, -31.0430, 17.4450

Conversions

Conversions Part 2

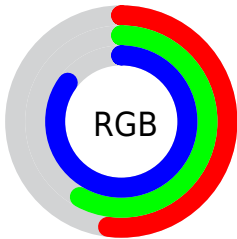
Format	Color
RYB	133, 146, 216
Decimal	8754648
CIELab	63.00, 10.78, -36.05
CIELCh	63, 37.623, 286.647
Yxy	31.5869, 0.2458, 0.2355
Android (android.graphics.Color)	4286944728 (0xFF8595D8)
YUV	151.8540, 31.6240, -16.5350
Hunter-Lab	56.2022, 6.3420, -34.0420

Details

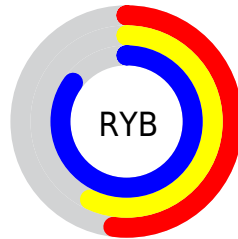
The CIELCh color $63, 37.623, 286.647$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $81, 35.759, 96.347$, and the grayscale version is $63, 0.008, 296.813$.

A 20% lighter version of the original color is $82, 27.783, 283.282$, and $43, 37.442, 286.265$ is the 20% darker color. If you saturate the color by 10%, you get $57, 48.235, 288.808$, and if you desaturate by 10%, it is $69, 27.372, 284.789$.

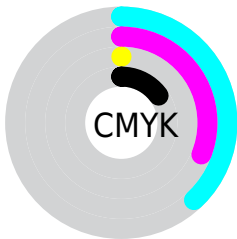
Distribution



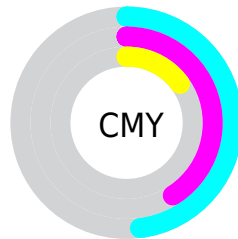
- Red (52%)
- Green (58%)
- Blue (85%)



- Red (52%)
- Yellow (57%)
- Blue (85%)



- Cyan (38%)
- Magenta (31%)
- Yellow (0%)
- Black (15%)





- Cyan (48%)
- Magenta (41%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 37.623, 286.647 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, 37.623, 286.647 by changing the saturation by 10% instead.


 63, 37.623,
286.647


 63, 37.623,
286.647


 100, 37.623,
286.647


 53, 37.623,
286.647


 83, 37.623,
286.647

 43, 37.623,
286.647

 93, 37.623,
286.647

 33, 37.623,
286.647

 23, 37.623,
286.647

 13, 37.623,
286.647

 3, 37.623, 286.647

 0, 37.623, 286.647

■ 63, 37.623,
286.647

■ 63, 37.623,
286.647

■ 57, 48.235,
288.808

■ 69, 27.372,
284.789

■ 51, 59.233,
291.284

■ 75, 17.454,
283.201

■ 45, 70.591,
294.047

■ 81, 7.839, 281.853

■ 40, 82.144,
296.997

■ 87, 1.495, 100.558

■ 94, 10.566, 99.647

■ 35, 93.441,
299.939

■ 99, 19.116,
107.773

■ 31, 103.619,
302.576

■ 99, 19.538,
108.699

■ 31, 105.111,
302.938

Harmonies

Complementary

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



63, 37.623, 286.647



81, 35.759, 96.347

Rectangle

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



63, 37.623, 286.647



63, 37.623, 336.647



63, 37.623, 106.647



63, 37.623, 156.647

Sweetspot

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



63, 37.622, 286.647



92, 12.911, 282.331



81, 29.059, 179.580



48, 8.580, 282.507



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



63, 37.622, 286.647



68, 52.243, 288.364



61, 47.571, 304.551



42, 5.281, 281.983



24, 86.959, 302.531



3, 23.939, 289.246

Inverse Universe

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



65, 34.189, 8.491



71, 47.375, 10.019



83, 43.904, 119.582



42, 4.690, 4.629



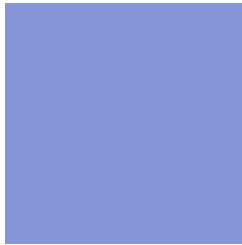
35, 68.966, 29.664



5, 22.045, 11.196

Previews

White Background



This preview shows how the CIELCh color 63, 37.623, 286.647 looks on a white background.

Color Contrast Check

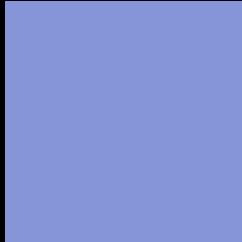
Large Text (above 18pt) WCAG AA × Fail

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 63, 37.623, 286.647 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

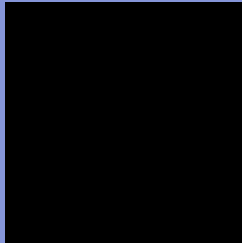
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 37.623, 286.647

Background



This preview shows how black text looks on a background with the CIELCh color 63, 37.623, 286.647.



This preview shows how white text looks on a background with the CIELCh color 63, 37.623, 286.647.

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, 37.623, 286.647

Protanopia

63, 37.676, 285.300

Deuteranopia

63, 36.665, 283.498



Tritanopia
63, 14.181, 229.534

Trichromacy



Original Color
63, 37.623, 286.647

Protanomaly
63, 37.643, 285.735

Deuteranomaly
63, 37.132, 285.087

Tritanomaly
63, 19.976, 263.280

Monochromacy



Original Color
63, 37.623, 286.647

Achromatopsia
63, 0.008, 296.813

Achromatomaly
63, 13.562, 282.558

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 37.623, 286.647 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(133, 149, 216)` looks like.

```
.text, #text, p{  
    color:rgb(133, 149, 216)  
}
```

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(133, 149, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 149, 216) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 37.623, 286.647 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(133, 149, 216) }
```

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

```
.border{ border-color:rgb(133, 149, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 149, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 149, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 149, 216);  
box-shadow:4px 4px 4px 4px rgb(133, 149,  
216) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 37.623, 286.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 149, 216) }
```

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

```
.background{ background-color: rgb(133,  
149, 216) }
```

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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