

Converting Colors

CIELCh(63, 32.052, 280.630)

Have a look what the booklet for
CIELCh(63, 32.052, 280.630)
contains.

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Color

CIELCh(63, 31.831, 280.463)

Conversions

Conversions Part 1

Format	Color
Hex	8198D0
RGB	129, 152, 208
RGB Percent	51%, 60%, 82%
CMY	0.4949, 0.4047, 0.1851
CMYK	0.38, 0.27, 0.00, 0.19
HSL	223°, 46%, 66%
HSV	223°, 38%, 81%
XYZ	31.5775, 31.5869, 63.9708
YIQ	151.5070, -31.6840, 12.5400

Conversions

Conversions Part 2

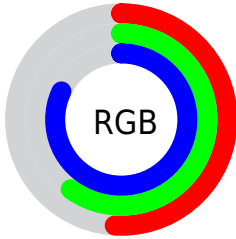
Format	Color
R_{YB}	129, 147, 208
Decimal	8493264
CIE _{Lab}	63.00, 5.78, -31.30
CIE _{LCh}	63, 31.831, 280.463
Yxy	31.5869, 0.2484, 0.2485
Android (android.graphics.Color)	4286683344 (0xFF8198D0)
YUV	151.5070, 27.8510, -19.7386
Hunter-Lab	56.2022, 1.9371, -28.1438

Details

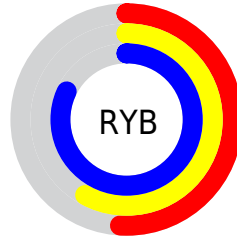
The CIELCh color **63, 31.831, 280.463** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **76, 31.435, 89.518**, and the grayscale version is **62, 0.008, 296.813**.

A 20% lighter version of the original color is **83, 26.621, 277.182**, and **43, 31.794, 280.707** is the 20% darker color. If you saturate the color by 10%, you get **58, 40.674, 282.757**, and if you desaturate by 10%, it is **68, 23.202, 278.494**.

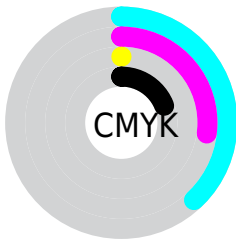
Distribution



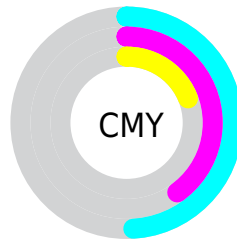
- Red (51%)
- Green (60%)
- Blue (82%)



- Red (51%)
- Yellow (58%)
- Blue (82%)



- Cyan (38%)
- Magenta (27%)
- Yellow (0%)
- Black (19%)





- Cyan (49%)
- Magenta (40%)
- Yellow (19%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 63, 31.831, 280.463 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, 31.831, 280.463 by changing the saturation by 10% instead.


 63, 31.831,
280.463


 63, 31.831,
280.463


 100, 31.831,
280.463


 53, 31.831,
280.463


 83, 31.831,
280.463

 43, 31.831,
280.463

 93, 31.831,
280.463

 33, 31.831,
280.463

 23, 31.831,
280.463

 13, 31.831,
280.463

 3, 31.831, 280.463

 0, 31.831, 280.463

■ 63, 31.831,
280.463

■ 63, 31.831,
280.463

■ 58, 40.674,
282.757

■ 68, 23.202,
278.494

■ 52, 49.764,
285.405

■ 74, 14.765,
276.813

■ 47, 59.131,
288.401

■ 79, 6.506, 275.387

■ 43, 68.768,
291.685

■ 84, 1.584, 93.973

■ 90, 9.511, 93.015

■ 38, 78.562,
295.116

■ 95, 17.278, 92.092

■ 34, 88.202,
298.449

■ 99, 23.786,
108.279

■ 34, 90.065,
299.045

■ 99, 23.837,
108.370

Harmonies

Complementary

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



63, 31.831, 280.463



76, 31.435, 89.518

Rectangle

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



63, 31.831, 280.463



63, 31.831, 330.463



63, 31.831, 100.463



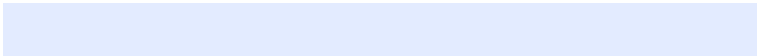
63, 31.831, 150.463

Sweetspot

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



63, 31.830, 280.463



93, 10.574, 275.804



78, 29.955, 172.080



49, 7.114, 275.995



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, 31.830, 280.463



71, 45.929, 282.398



58, 45.299, 301.330



41, 4.636, 275.571



27, 75.841, 298.545



4, 20.493, 284.913

Inverse Universe

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



63, 33.469, 1.106



71, 48.057, 2.624



81, 41.460, 115.406



41, 4.791, 357.403



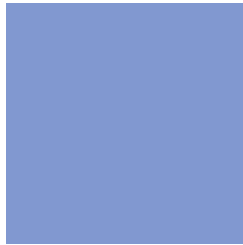
35, 64.357, 21.463



4, 20.463, 5.991

Previews

White Background



This preview shows how the CIELCh color 63, 31.831, 280.463 looks on a white background.

Color Contrast Check

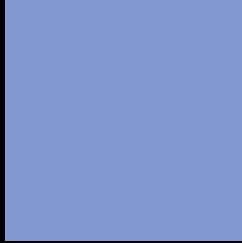
Large Text (above 18pt) WCAG AA × Fail

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, 31.831, 280.463 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

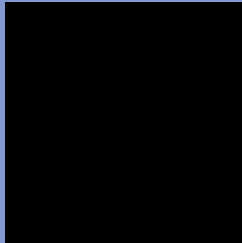
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 63, 31.831, 280.463

Background



This preview shows how black text looks on a background with the CIELCh color 63, 31.831, 280.463.



This preview shows how white text looks on a background with the CIELCh color 63, 31.831, 280.463.

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, 31.831, 280.463

Protanopia

63, 31.498, 285.361

Deuteranopia

63, 32.627, 285.265



Tritanopia
63, 14.783, 225.557

Trichromacy



Original Color
63, 31.831, 280.463

Protanomaly
63, 31.619, 283.143

Deuteranomaly
63, 32.162, 283.407

Tritanomaly
63, 18.753, 255.978

Monochromacy



Original Color
63, 31.831, 280.463

Achromatopsia
62, 0.008, 296.813

Achromatomaly
62, 12.044, 277.685

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 63, 31.831, 280.463 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(129, 152, 208)` looks like.

```
.text, #text, p{  
    color:rgb(129, 152, 208)  
}
```

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(129, 152, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 152, 208) }
```

Border

The CSS property to change the border of an element to CIELCh 63, 31.831, 280.463 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(129, 152, 208) }
```

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

```
.border{ border-color:rgb(129, 152, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 152, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 152, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 152, 208);  
box-shadow:4px 4px 4px 4px rgb(129, 152,  
208) }
```

Background

The CSS property to change the background color of an element to CIELCh 63, 31.831, 280.463 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 152, 208) }
```

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

```
.background{ background-color: rgb(129,  
152, 208) }
```

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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