

Converting Colors

CIELCh(64, 30.582, 293.378)

Have a look what the booklet for
CIELCh(64, 30.582, 293.378)
contains.

CIELCh(64, 30.723, 293.382)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(64, 30.723, 293.382)

Conversions

Conversions Part 1

Format	Color
Hex	9696CD
RGB	150, 150, 205
RGB Percent	59%, 59%, 80%
CMY	0.4109, 0.4109, 0.1952
CMYK	0.27, 0.27, 0.00, 0.20
HSL	240°, 36%, 70%
HSV	240°, 27%, 80%
XYZ	34.6025, 32.8017, 62.4054
YIQ	156.2700, -17.6550, 17.1050

Conversions

Conversions Part 2

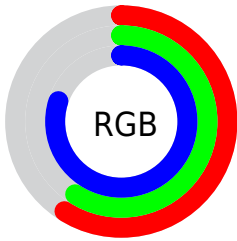
Format	Color
R_{YB}	150, 150, 205
Decimal	9869005
CIE _{Lab}	64.00, 12.19, -28.20
CIE _{LCh}	64, 30.723, 293.382
Yxy	32.8017, 0.2666, 0.2527
Android (android.graphics.Color)	4288059085 (0xFF9696CD)
YUV	156.2700, 24.0239, -5.4988
Hunter-Lab	57.2727, 7.6170, -24.5126

Details

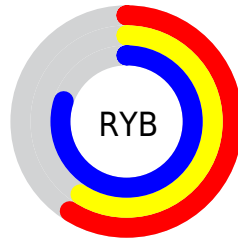
The CIELCh color $64, 30.723, 293.382$ is a light color, and the websafe version is hex $9999CC$. A complement of this color would be $81, 28.822, 107.596$, and the grayscale version is $64, 0.008, 296.813$.

A 20% lighter version of the original color is $84, 26.973, 293.155$, and $44, 31.190, 293.847$ is the 20% darker color. If you saturate the color by 10%, you get $57, 43.095, 294.977$, and if you desaturate by 10%, it is $71, 18.864, 292.022$.

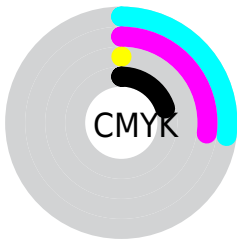
Distribution



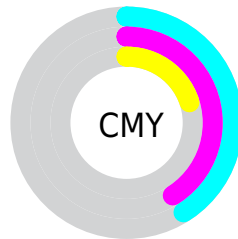
- Red (59%)
- Green (59%)
- Blue (80%)



- Red (59%)
- Yellow (59%)
- Blue (80%)



- Cyan (27%)
- Magenta (27%)
- Yellow (0%)
- Black (20%)





- Cyan (41%)
- Magenta (41%)
- Yellow (20%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 64, 30.723, 293.382 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, 30.723, 293.382 by changing the saturation by 10% instead.


 64, 30.723,
293.382


 64, 30.723,
293.382


 100, 30.723,
293.382


 54, 30.723,
293.382


 84, 30.723,
293.382

 44, 30.723,
293.382

 94, 30.723,
293.382

 34, 30.723,
293.382

 24, 30.723,
293.382

 14, 30.723,
293.382

 4, 30.723, 293.382

 0, 30.723, 293.382

■ 64, 30.723,
293.382

■ 64, 30.723,
293.382

■ 57, 43.095,
294.977

■ 71, 18.864,
292.022

■ 50, 55.984,
296.821

■ 78, 7.491, 290.873

■ 85, 3.433, 109.866

■ 44, 69.297,
298.894

■ 91, 13.943,
109.050

■ 37, 82.703,
301.102

■ 98, 24.070,
108.344

■ 32, 95.373,
303.240

■ 99, 25.123,
108.272

■ 28, 105.755,
304.987

■ 26, 112.077,
306.036

■ 25, 113.611,

Harmonies

Complementary

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



64, 30.723, 293.382



81, 28.822, 107.596

Rectangle

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



64, 30.723, 293.382



64, 30.723, 343.382



64, 30.723, 113.382



64, 30.723, 163.382

Sweetspot

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



64, 30.722, 293.381



93, 10.528, 291.010



79, 18.537, 198.072



49, 7.504, 291.176



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, 30.722, 293.381



74, 44.268, 294.244



66, 32.082, 310.354



39, 6.243, 291.151



19, 96.929, 306.287



1, 23.534, 292.448

Inverse Universe

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



69, 35.924, 325.893



81, 51.024, 326.188



79, 30.915, 127.832



40, 7.538, 324.936



39, 83.706, 328.235



5, 29.041, 327.499

Previews

White Background



This preview shows how the CIELCh color 64, 30.723, 293.382 looks on a white background.

Color Contrast Check

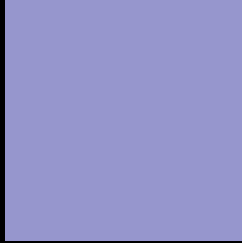
Large Text (above 18pt) WCAG AA × Fail

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, 30.723, 293.382 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

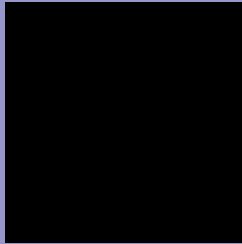
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 64, 30.723, 293.382

Background



This preview shows how black text looks on a background with the CIELCh color 64, 30.723, 293.382.



This preview shows how white text looks on a background with the CIELCh color 64, 30.723, 293.382.

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

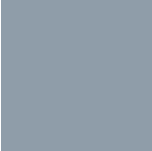
64, 30.723, 293.382

Protanopia

64, 30.263, 285.399

Deuteranopia

64, 29.075, 286.788



Tritanopia
64, 8.290, 253.174

Trichromacy



Original Color
64, 30.723, 293.382

Protanomaly
64, 30.163, 288.390

Deuteranomaly
64, 29.576, 289.464

Tritanomaly
64, 15.301, 279.873

Monochromacy



Original Color
64, 30.723, 293.382

Achromatopsia
64, 0.008, 296.813

Achromatomaly
64, 11.158, 291.369

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 64, 30.723, 293.382 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(150, 150, 205)` looks like.

```
.text, #text, p{  
    color:rgb(150, 150, 205)  
}
```

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(150, 150, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 150, 205) }
```

Border

The CSS property to change the border of an element to CIELCh 64, 30.723, 293.382 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(150, 150, 205) }
```

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

```
.border{ border-color:rgb(150, 150, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 150, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 150, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 150, 205);  
box-shadow:4px 4px 4px 4px rgb(150, 150,  
205) }
```

Background

The CSS property to change the background color of an element to CIELCh 64, 30.723, 293.382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 150, 205) }
```

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

```
.background{ background-color: rgb(150,  
150, 205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor