

Converting Colors

CIELCh(70, 30.933, 326.281)

Have a look what the booklet for
CIELCh(70, 30.933, 326.281)
contains.

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Color

CIELCh(70, 30.961, 326.287)

Conversions

Conversions Part 1

Format	Color
Hex	CC9CCB
RGB	204, 156, 203
RGB Percent	80%, 61%, 80%
CMY	0.2014, 0.3895, 0.2053
CMYK	0.00, 0.24, 0.00, 0.20
HSL	301°, 32%, 70%
HSV	301°, 24%, 80%
XYZ	47.3777, 40.7494, 61.6526
YIQ	175.7100, 13.5210, 24.7930

Conversions

Conversions Part 2

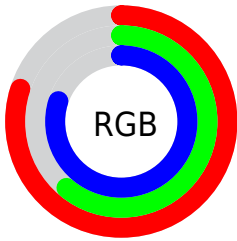
Format	Color
R_{YB}	204, 156, 203
Decimal	13409483
CIE _{Lab}	70.00, 25.75, -17.18
CIE _{LCh}	70, 30.961, 326.287
Yxy	40.7494, 0.3163, 0.2721
Android (android.graphics.Color)	4291599563 (0xFFCC9CCB)
YUV	175.7100, 13.4540, 24.8103
Hunter-Lab	63.8353, 20.7685, -12.5780

Details

The CIELCh color $70, 30.961, 326.287$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $78, 30.941, 143.439$, and the grayscale version is $72, 0.009, 296.813$.

A 20% lighter version of the original color is $89, 27.578, 325.385$, and $50, 31.153, 326.034$ is the 20% darker color. If you saturate the color by 10%, you get $65, 43.938, 326.826$, and if you desaturate by 10%, it is $75, 17.780, 325.731$.

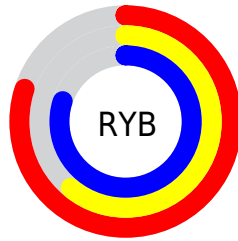
Distribution



Red (80%)

Green (61%)

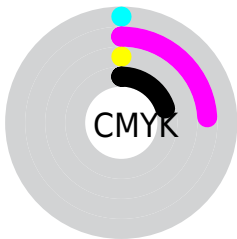
Blue (80%)



Red (80%)

Yellow (61%)

Blue (80%)

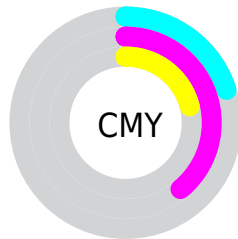


Cyan (0%)

Magenta (24%)

Yellow (0%)

Black (20%)



Cyan (20%)


Magenta (39%)


Yellow (21%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 70, 30.961, 326.287 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 70, 30.961, 326.287 by changing the saturation by 10% instead.


 70, 30.961,
326.287

 70, 30.961,
326.287


 100, 30.961,
326.287


 60, 30.961,
326.287


 90, 30.961,
326.287

 50, 30.961,
326.287

 40, 30.961,
326.287

 30, 30.961,
326.287

 20, 30.961,
326.287

 10, 30.961,
326.287

 0, 30.961, 326.287

70, 30.961,
326.287

70, 30.961,
326.287

65, 43.938,
326.826

75, 17.780,
325.731

61, 56.385,
327.337

80, 4.643, 325.137

57, 67.868,
327.804

85, 8.295, 144.683

54, 77.885,
328.212

91, 20.933,
144.137

51, 85.933,
328.549

95, 31.707,
143.714

50, 91.627,
328.808

95, 31.529,
143.936


49, 94.846,
328.991

95, 31.351,
144.161

48, 95.971,

95, 31.174,
144.388

329.080

 95, 30.997,
144.617

Harmonies

Complementary

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



70, 30.961, 326.287



78, 30.941, 143.439

Rectangle

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



70, 30.961, 326.287



70, 30.961, 16.287



70, 30.961, 146.287



70, 30.961, 196.287

Sweetspot

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



70, 30.959, 326.287



96, 10.979, 325.360



66, 26.654, 293.485



51, 7.136, 325.396



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

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



70, 30.959, 326.287



83, 44.120, 326.549



69, 22.112, 346.692



40, 7.433, 325.494



39, 82.371, 329.068



5, 28.565, 328.168

Inverse Universe

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



70, 30.959, 326.287



83, 44.120, 326.549



78, 21.421, 162.441



40, 7.433, 325.494



39, 82.371, 329.068



5, 28.565, 328.168

Previews

White Background



This preview shows how the CIELCh color 70, 30.961, 326.287 looks on a white background.

Color Contrast Check

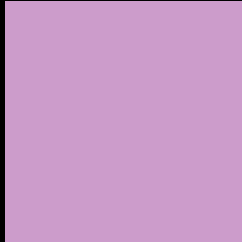
Large Text (above 18pt) WCAG AA × Fail

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 70, 30.961, 326.287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

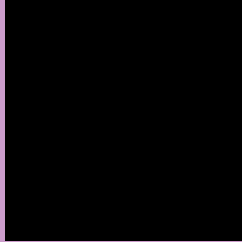
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 70, 30.961, 326.287

Background



This preview shows how black text looks on a background with the CIELCh color 70, 30.961, 326.287.



This preview shows how white text looks on a background with the CIELCh color 70, 30.961, 326.287.

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

70, 30.961, 326.287

Protanopia

70, 23.111, 284.965

Deuteranopia

70, 18.318, 299.665



Tritanopia
70, 16.319, 357.379

Trichromacy



Original Color
70, 30.961, 326.287

Protanomaly
70, 24.575, 302.193

Deuteranomaly
70, 22.364, 312.593

Tritanomaly
70, 20.827, 340.495

Monochromacy



Original Color
70, 30.961, 326.287

Achromatopsia
71, 0.009, 296.813

Achromatomaly
71, 11.276, 324.918

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 70, 30.961, 326.287 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(204, 156, 203)` looks like.

```
.text, #text, p{  
    color:rgb(204, 156, 203)  
}
```

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(204, 156, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 156, 203) }
```

Border

The CSS property to change the border of an element to CIELCh 70, 30.961, 326.287 is called "border". The border property can be set on classes, ids or directly on the HTML element.

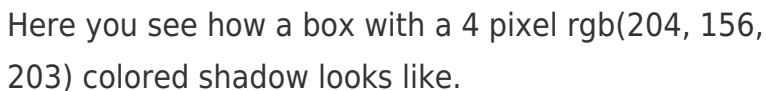
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(204, 156, 203) }
```

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

```
.border{ border-color:rgb(204, 156, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(204, 156, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 156, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 156, 203);  
box-shadow:4px 4px 4px 4px rgb(204, 156,  
203) }
```

Background

The CSS property to change the background color of an element to CIELCh 70, 30.961, 326.287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 156, 203) }
```

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

```
.background{ background-color: rgb(204,  
156, 203) }
```

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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