

Converting Colors

CIELCh(60, 23.509, 331.373)

Have a look what the booklet for
CIELCh(60, 23.509, 331.373)
contains.

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Color

CIELCh(60, 23.285, 331.204)

Conversions

Conversions Part 1

Format	Color
Hex	AC85A5
RGB	172, 133, 165
RGB Percent	67%, 52%, 65%
CMY	0.3268, 0.4797, 0.3543
CMYK	0.00, 0.23, 0.04, 0.33
HSL	311°, 19%, 60%
HSV	311°, 23%, 67%
XYZ	32.0432, 28.1233, 39.1772
YIQ	148.3090, 12.9720, 18.2200

Conversions

Conversions Part 2

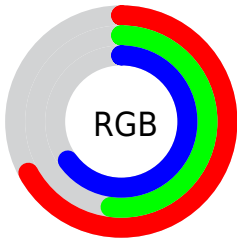
Format	Color
R_{YB}	172, 133, 165
Decimal	11306405
CIE _{Lab}	60.00, 20.41, -11.22
CIE _{LCh}	60, 23.285, 331.204
Yxy	28.1233, 0.3225, 0.2831
Android (android.graphics.Color)	4289496485 (0xFFAC85A5)
YUV	148.3090, 8.2287, 20.7770
Hunter-Lab	53.0314, 15.0500, -6.6787

Details

The CIELCh color $60, 23.285, 331.204$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $67, 23.202, 148.245$, and the grayscale version is $61, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 23.588, 331.341$, and $40, 23.179, 331.175$ is the 20% darker color. If you saturate the color by 10%, you get $56, 33.476, 331.852$, and if you desaturate by 10%, it is $64, 12.984, 330.569$.

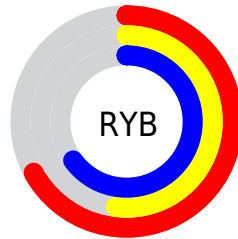
Distribution



Red (67%)

Green (52%)

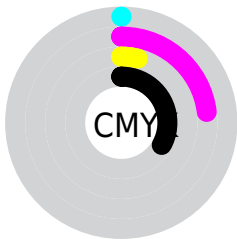
Blue (65%)



Red (67%)

Yellow (52%)

Blue (65%)

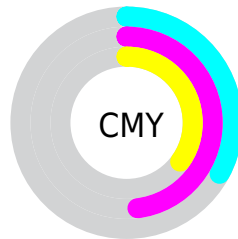


Cyan (0%)

Magenta (23%)

Yellow (4%)

Black (33%)



Cyan (33%)


Magenta (48%)


Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 23.285, 331.204 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 60, 23.285, 331.204 by changing the saturation by 10% instead.


 60, 23.285,
331.204


 60, 23.285,
331.204


 100, 23.285,
331.204


 50, 23.285,
331.204


 80, 23.285,
331.204

 40, 23.285,
331.204

 90, 23.285,
331.204

 30, 23.285,
331.204

 20, 23.285,
331.204

 10, 23.285,
331.204

 0, 23.285, 331.204

 60, 23.285,

 60, 23.285,

331.204

56, 33.476,
331.852

52, 43.313,
332.514

48, 52.456,
333.190

45, 60.494,
333.884

43, 66.979,
334.605

41, 71.527,
335.374

40, 73.942,
336.217

39, 74.758,
336.875

331.204

64, 12.984,
330.569

69, 2.751, 329.885

74, 7.305, 149.437


78, 17.119,
148.858

83, 26.657,
148.320

88, 35.906,
147.813

93, 44.868,
147.334

93, 44.892,
148.352

 93, 43.668,
149.643

Harmonies

Complementary

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



60, 23.285, 331.204



67, 23.202, 148.245

Rectangle

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



60, 23.285, 331.204



60, 23.285, 21.204



60, 23.285, 151.204



60, 23.285, 201.204

Sweetspot

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



60, 23.283, 331.205



85, 8.863, 330.211



57, 22.437, 298.581



45, 5.753, 330.248



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



60, 23.283, 331.205



74, 34.421, 331.513



59, 17.063, 355.972



34, 5.820, 330.352



34, 67.940, 336.766



2, 11.649, 332.216

Inverse Universe

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



60, 23.283, 331.205



74, 34.421, 331.513



67, 16.109, 171.562



34, 5.820, 330.352



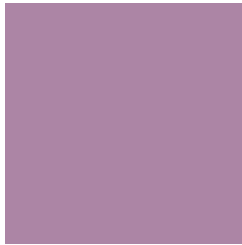
34, 67.940, 336.766



2, 11.649, 332.216

Previews

White Background



This preview shows how the CIELCh color 60, 23.285, 331.204 looks on a white background.

Color Contrast Check

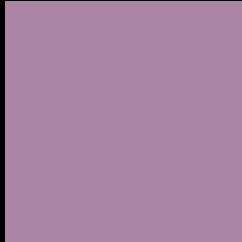
Large Text (above 18pt) WCAG AA ✓ Pass

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 60, 23.285, 331.204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

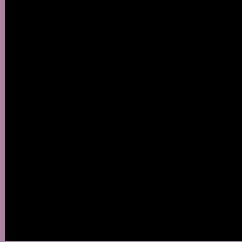
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 23.285, 331.204

Background



This preview shows how black text looks on a background with the CIELCh color 60, 23.285, 331.204.



This preview shows how white text looks on a background with the CIELCh color 60, 23.285, 331.204.

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

60, 23.285, 331.204

Protanopia

60, 15.869, 285.524

Deuteranopia

60, 12.937, 306.501



Tritanopia
60, 14.212, 357.679

Trichromacy



Original Color
60, 23.285, 331.204

Protanomaly
60, 16.959, 305.663

Deuteranomaly
60, 16.567, 318.549

Tritanomaly
60, 16.966, 344.633

Monochromacy



Original Color
60, 23.285, 331.204

Achromatopsia
61, 0.008, 296.813

Achromatomaly
61, 8.928, 331.080

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 23.285, 331.204 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(172, 133, 165)` looks like.

```
.text, #text, p{  
    color:rgb(172, 133, 165)  
}
```

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(172, 133, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 133, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 23.285, 331.204 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(172, 133, 165) }
```

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

```
.border{ border-color:rgb(172, 133, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 133, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 133, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 133, 165);  
box-shadow:4px 4px 4px 4px rgb(172, 133,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 23.285, 331.204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 133, 165) }
```

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

```
.background{ background-color: rgb(172,  
133, 165) }
```

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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