

Converting Colors

CIELCh(51, 65.009, 323.096)

Have a look what the booklet for
CIELCh(51, 65.009, 323.096)
contains.

CIELCh(51, 65.009, 323.096)	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(51, 65.009, 323.096)

Conversions

Conversions Part 1

Format	Color
Hex	AF55BD
RGB	175, 85, 189
RGB Percent	69%, 33%, 74%
CMY	0.3139, 0.6668, 0.2590
CMYK	0.07, 0.55, 0.00, 0.26
HSL	292°, 44%, 54%
HSV	292°, 55%, 74%
XYZ	30.0912, 19.2686, 50.2467
YIQ	123.7660, 20.2560, 51.4240

Conversions

Conversions Part 2

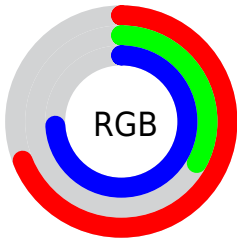
Format	Color
R _Y B	175, 85, 189
Decimal	11490749
CIE Lab	51.00, 51.98, -39.04
CIE LCh	51, 65.009, 323.096
Yxy	19.2686, 0.3021, 0.1934
Android (android.graphics.Color)	4289680829 (0xFFAF55BD)
YUV	123.7660, 32.1604, 44.9322
Hunter-Lab	43.8960, 45.5456, -37.1406

Details

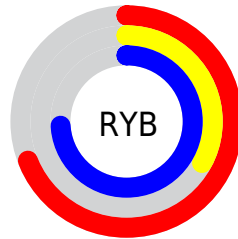
The CIELCh color **51, 65.009, 323.096** is a dark color, and the websafe version is hex **CC66CC**. A complement of this color would be **69, 64.419, 137.117**, and the grayscale version is **52, 0.007, 296.813**.

A 20% lighter version of the original color is **71, 64.887, 323.117**, and **31, 64.999, 323.203** is the 20% darker color. If you saturate the color by 10%, you get **47, 74.758, 323.347**, and if you desaturate by 10%, it is **55, 54.044, 322.749**.

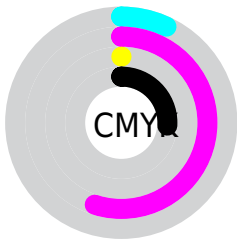
Distribution



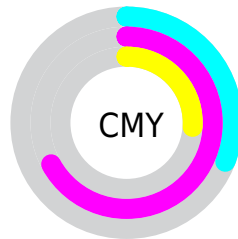
- Red (69%)
- Green (33%)
- Blue (74%)



- Red (69%)
- Yellow (33%)
- Blue (74%)



- Cyan (7%)
- Magenta (55%)
- Yellow (0%)
- Black (26%)





- Cyan (31%)
- Magenta (67%)
- Yellow (26%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 51, 65.009, 323.096 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 51, 65.009, 323.096 by changing the saturation by 10% instead.


 51, 65.009,
323.096


 51, 65.009,
323.096


 100, 65.009,
323.096


 41, 65.009,
323.096


 71, 65.009,
323.096

 31, 65.009,
323.096

 81, 65.009,
323.096

 21, 65.009,
323.096

 91, 65.009,
323.096

 11, 65.009,
323.096

 1, 65.009, 323.096

 0, 65.009, 323.096

51, 65.009,
323.096

51, 65.009,
323.096

47, 74.758,
323.347

55, 54.044,
322.749

45, 82.779,
323.468

59, 42.338,
322.338

42, 88.613,
323.427

64, 30.265,
321.887

41, 92.038,
323.204

69, 18.097,
321.417


40, 93.207,
323.054

74, 6.020, 320.926

79, 5.849, 140.543

84, 17.437,
140.080

90, 28.710,
139.660

 95, 39.647,
139.268

Harmonies

Complementary

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



51, 65.009, 323.096



69, 64.419, 137.117

Rectangle

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



51, 65.009, 323.096



51, 65.009, 13.096



51, 65.009, 143.096



51, 65.009, 193.096

Sweetspot

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



51, 65.007, 323.096



86, 25.281, 321.523



45, 52.476, 292.420



44, 16.920, 321.618



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



51, 65.007, 323.096



60, 92.962, 323.383



51, 52.625, 341.126



37, 6.785, 321.144



34, 81.675, 323.121



3, 20.109, 319.564

Inverse Universe

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



50, 44.955, 16.296



59, 66.881, 19.783



69, 51.959, 150.870



37, 4.153, 9.104



33, 67.436, 33.280



3, 12.386, 11.698

Previews

White Background



This preview shows how the CIELCh color 51, 65.009, 323.096 looks on a white background.

Color Contrast Check

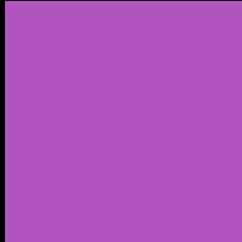
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the CIELCh color 51, 65.009, 323.096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

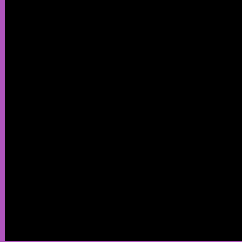
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 51, 65.009, 323.096

Background



This preview shows how black text looks on a background with the CIELCh color 51, 65.009, 323.096.



This preview shows how white text looks on a background with the CIELCh color 51, 65.009, 323.096.

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
51, 65.009, 323.096

Protanopia
52, 58.858, 286.686

Deuteranopia
51, 36.006, 281.661



Tritanopia
51, 25.729, 12.545

Trichromacy



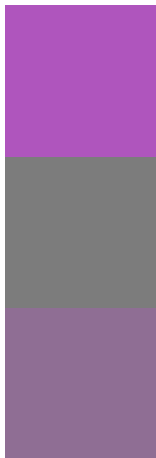
Original Color
51, 65.009, 323.096

Protanomaly
50, 59.480, 297.976

Deuteranomaly
50, 45.384, 301.542

Tritanomaly
51, 36.521, 341.952

Monochromacy



Original Color
51, 65.009, 323.096

Achromatopsia
52, 0.007, 296.813

Achromatomaly
51, 25.451, 321.985

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 51, 65.009, 323.096 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(175, 85, 189)` looks like.

```
.text, #text, p{  
    color:rgb(175, 85, 189)  
}
```

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(175, 85, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 85, 189) }
```

Border

The CSS property to change the border of an element to CIELCh 51, 65.009, 323.096 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(175, 85, 189) }
```

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

```
.border{ border-color:rgb(175, 85, 189) }
```

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

Here you see how a box with a 4 pixel rgb(175, 85, 189) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 85, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 85, 189);  
box-shadow:4px 4px 4px 4px rgb(175, 85,  
189) }
```

Background

The CSS property to change the background color of an element to CIELCh 51, 65.009, 323.096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 85, 189) }
```

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

```
.background{ background-color: rgb(175, 85,  
189) }
```

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