

Converting Colors

CIELCh(60, 23.323, 56.311)

Have a look what the booklet for
CIELCh(60, 23.323, 56.311) contains.

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Color

CIELCh(60, 23.309, 57.296)

Conversions

Conversions Part 1

Format	Color
Hex	B2886F
RGB	178, 136, 111
RGB Percent	70%, 53%, 44%
CMY	0.3029, 0.4675, 0.5656
CMYK	0.00, 0.24, 0.38, 0.30
HSL	22°, 30%, 57%
HSV	22°, 38%, 70%
XYZ	29.9333, 28.1233, 18.8264
YIQ	145.7080, 33.0570, 1.1290

Conversions

Conversions Part 2

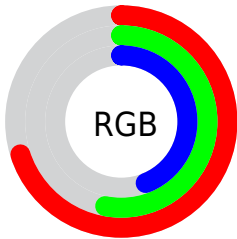
Format	Color
R_{YB}	178, 151, 111
Decimal	11700335
CIE _{Lab}	60.00, 12.59, 19.61
CIE _{LCh}	60, 23.309, 57.296
Yxy	28.1233, 0.3893, 0.3658
Android (android.graphics.Color)	4289890415 (0xFFB2886F)
YUV	145.7080, -17.1110, 28.3201
Hunter-Lab	53.0314, 7.9484, 16.0738

Details

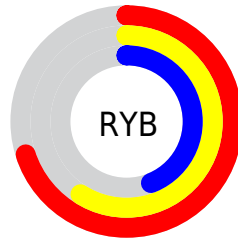
The CIELCh color `60, 23.309, 57.296` is a dark color, and the websafe version is hex `CC9999`. A complement of this color would be `61, 19.256, 245.873`, and the grayscale version is `60, 0.008, 296.813`.

A 20% lighter version of the original color is `80, 23.263, 56.481`, and `40, 23.450, 56.933` is the 20% darker color. If you saturate the color by 10%, you get `57, 30.517, 56.540`, and if you desaturate by 10%, it is `63, 16.546, 58.120`.

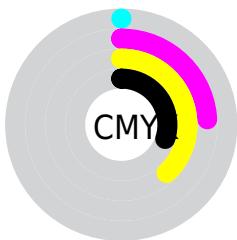
Distribution



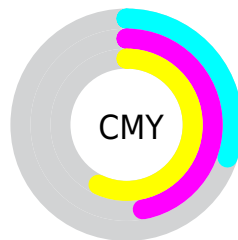
- Red (70%)
- Green (53%)
- Blue (44%)



- Red (70%)
- Yellow (59%)
- Blue (44%)



- Cyan (0%)
- Magenta (24%)
- Yellow (38%)
- Black (30%)



- Cyan (30%)
- Magenta (47%)
- Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 60, 23.309, 57.296 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, 23.309, 57.296 by changing the saturation by 10% instead.

■ 60, 23.309, 57.296

■ 60, 23.309, 57.296

■ 100, 23.309,
57.296

■ 50, 23.309, 57.296

■ 80, 23.309, 57.296

■ 40, 23.309, 57.296

■ 90, 23.309, 57.296

■ 30, 23.309, 57.296

■ 20, 23.309, 57.296

■ 10, 23.309, 57.296

■ 0, 23.309, 57.296

■ 60, 23.309, 57.296

■ 60, 23.309, 57.296

■ 57, 30.517, 56.540

■ 63, 16.546, 58.120

■ 54, 38.146, 55.834

■ 67, 10.217, 58.977

51, 46.093, 55.157

70, 4.293, 59.825

48, 54.098, 54.419

73, 1.265, 241.183

46, 61.592, 53.397

77, 6.496, 241.844

44, 67.764, 51.807

80, 11.436,
242.743

43, 69.214, 51.537

84, 16.122,
243.646

87, 20.584,
244.534

90, 20.640,
227.052

Harmonies

Complementary

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



60, 23.309, 57.296



61, 19.256, 245.873

Rectangle

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



60, 23.309, 57.296



60, 23.309, 107.296



60, 23.309, 237.296



60, 23.309, 287.296

Sweetspot

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



60, 23.308, 57.302



87, 7.728, 59.536



55, 34.853, 340.146



46, 5.258, 59.422



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



60, 23.308, 57.302



74, 35.545, 56.680



69, 31.614, 100.025



36, 3.195, 59.692



37, 61.720, 51.993



4, 7.518, 50.093

Inverse Universe

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



61, 19.256, 245.873



75, 27.978, 247.621



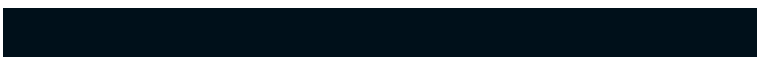
52, 33.764, 289.466



36, 3.069, 241.661



39, 37.752, 267.659



4, 7.928, 253.621

Previews

White Background



This preview shows how the CIELCh color 60, 23.309, 57.296 looks on a white background.

Color Contrast Check

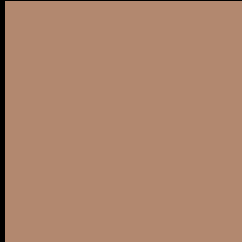
Large Text (above 18pt) WCAG AA ✓ Pass

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, 23.309, 57.296 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

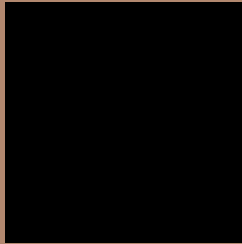
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

CIELCh 60, 23.309, 57.296

Background



This preview shows how black text looks on a background with the CIELCh color 60, 23.309, 57.296.



This preview shows how white text looks on a background with the CIELCh color 60, 23.309, 57.296.

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, 23.309, 57.296

Protanopia

60, 17.235, 95.542

Deuteranopia

60, 21.304, 69.361



Tritanopia
60, 20.437, 5.832

Trichromacy



Original Color
60, 23.309, 57.296

Protanomaly
60, 18.674, 79.620

Deuteranomaly
60, 22.101, 65.111

Tritanomaly
60, 19.525, 24.671

Monochromacy



Original Color
60, 23.309, 57.296

Achromatopsia
60, 0.008, 296.813

Achromatomaly
60, 7.919, 59.406

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 23.309, 57.296 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(178, 136, 111)` looks like.

```
.text, #text, p{  
    color:rgb(178, 136, 111)  
}
```

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(178, 136, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 136, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 23.309, 57.296 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(178, 136, 111) }
```

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

```
.border{ border-color:rgb(178, 136, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 136, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 136, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 136, 111);  
box-shadow:4px 4px 4px 4px rgb(178, 136,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 23.309, 57.296 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 136, 111) }
```

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

```
.background{ background-color: rgb(178,  
136, 111) }
```

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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