

Converting Colors

CIELCh(60, 30.983, 104.183)

Have a look what the booklet for
CIELCh(60, 30.983, 104.183)
contains.

CIELCh(60, 30.983, 104.183)	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(60, 30.983, 104.183)

Conversions

Conversions Part 1

Format	Color
Hex	96935B
RGB	150, 147, 91
RGB Percent	59%, 58%, 36%
CMY	0.4116, 0.4234, 0.6430
CMYK	0.00, 0.02, 0.39, 0.41
HSL	57°, 24%, 47%
HSV	57°, 39%, 59%
XYZ	24.9148, 28.1233, 14.0211
YIQ	141.5130, 19.7640, -16.7800

Conversions

Conversions Part 2

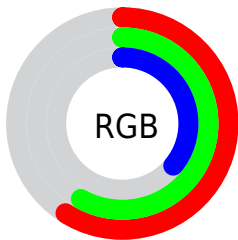
Format	Color
R_{YB}	94, 150, 91
Decimal	9868123
CIE _{Lab}	60.00, -7.59, 30.04
CIE _{LCh}	60, 30.983, 104.183
Yxy	28.1233, 0.3715, 0.4194
Android (android.graphics.Color)	4288058203 (0xFF96935B)
YUV	141.5130, -24.9029, 7.4431
Hunter-Lab	53.0314, -8.9437, 21.4462

Details

The CIELCh color $60, 30.983, 104.183$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $42, 33.843, 293.311$, and the grayscale version is $59, 0.008, 296.813$.

A 20% lighter version of the original color is $80, 31.022, 104.362$, and $40, 30.967, 104.472$ is the 20% darker color. If you saturate the color by 10%, you get $60, 38.441, 103.225$, and if you desaturate by 10%, it is $60, 23.257, 105.174$.

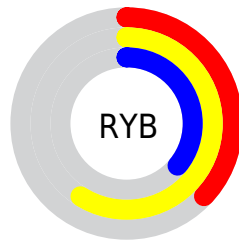
Distribution



Red (59%)

Green (58%)

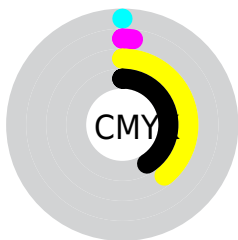
Blue (36%)



Red (37%)

Yellow (59%)

Blue (36%)

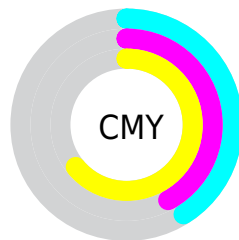


Cyan (0%)

Magenta (2%)

Yellow (39%)

Black (41%)



Cyan (41%)


Magenta (42%)


Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 30.983, 104.183 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, 30.983, 104.183 by changing the saturation by 10% instead.


 60, 30.983,
104.183


 60, 30.983,
104.183


 100, 30.983,
104.183


 50, 30.983,
104.183


 80, 30.983,
104.183

 40, 30.983,
104.183

 90, 30.983,
104.183


 30, 30.983,
104.183

 20, 30.983,
104.183

 10, 30.983,
104.183

 0, 30.983, 104.183

 60, 30.983,

 60, 30.983,

104.183

104.183

■ 60, 38.441,
103.225

■ 60, 23.257,
105.174

■ 59, 45.441,
102.310

■ 61, 15.380,
106.168

■ 59, 51.707,
101.470

■ 62, 7.429, 107.153

■ 59, 56.868,
100.733

■ 62, 0.547, 288.260

■ 58, 60.518,
100.121

■ 63, 8.518, 289.089

■ 63, 16.464,
289.999

■ 58, 62.759, 99.620

■ 64, 24.371,
290.875

■ 58, 62.907, 99.587

■ 65, 32.230,
291.711

■ 66, 40.034,

Harmonies

Complementary

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



60, 30.983, 104.183



42, 33.843, 293.311

Rectangle

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



60, 30.983, 104.183



60, 30.983, 154.183



60, 30.983, 284.183



60, 30.983, 334.183

Sweetspot

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



60, 30.984, 104.186



77, 11.779, 106.868



45, 25.999, 18.058



41, 7.789, 106.757



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



60, 30.984, 104.186



75, 45.212, 103.357



59, 34.362, 124.828



31, 4.448, 107.166



54, 59.108, 99.613



2, 3.904, 108.068

Inverse Universe

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



42, 33.843, 293.311



49, 50.708, 294.932



43, 36.628, 308.831



29, 4.534, 289.030



15, 82.017, 305.421



0, 3.905, 288.069

Previews

White Background



This preview shows how the CIELCh color 60, 30.983, 104.183 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, 30.983, 104.183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

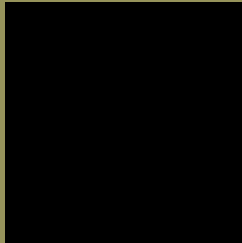
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

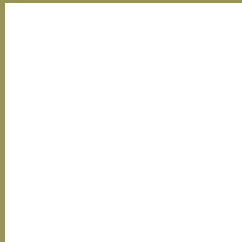
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 60, 30.983, 104.183

Background



This preview shows how black text looks on a background with the CIELCh color 60, 30.983, 104.183.



This preview shows how white text looks on a background with the CIELCh color 60, 30.983, 104.183.

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, 30.983, 104.183

Protanopia

60, 31.064, 95.981

Deuteranopia

60, 30.259, 75.130



Tritanopia
60, 9.082, 337.241

Trichromacy



Original Color
60, 30.983, 104.183

Protanomaly
60, 31.259, 99.307

Deuteranomaly
60, 29.522, 85.793

Tritanomaly
60, 9.066, 79.580

Monochromacy



Original Color
60, 30.983, 104.183

Achromatopsia
59, 0.008, 296.813

Achromatomaly
59, 11.815, 106.823

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 30.983, 104.183 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, 147, 91)` looks like.

```
.text, #text, p{  
    color:rgb(150, 147, 91)  
}
```

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, 147, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 147, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 30.983, 104.183 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, 147, 91) }
```

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

```
.border{ border-color:rgb(150, 147, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 147, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 147, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 147, 91);  
box-shadow:4px 4px 4px 4px rgb(150, 147,  
91) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 30.983, 104.183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 147, 91) }
```

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

```
.background{ background-color: rgb(150,  
147, 91) }
```

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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