

Converting Colors

CIELCh(60, 45.617, 102.671)

Have a look what the booklet for
CIELCh(60, 45.617, 102.671)
contains.

CIELCh(60, 45.617, 102.671)	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, 45.617, 102.671)

Conversions

Conversions Part 1

Format	Color
Hex	98943F
RGB	152, 148, 63
RGB Percent	60%, 58%, 25%
CMY	0.4048, 0.4204, 0.7537
CMYK	0.00, 0.03, 0.59, 0.40
HSL	57°, 41%, 42%
HSV	57°, 59%, 60%
XYZ	24.3550, 28.1233, 8.8175
YIQ	139.5060, 29.6690, -25.5870

Conversions

Conversions Part 2

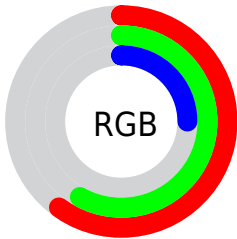
Format	Color
RYB	67, 152, 63
Decimal	9999423
CIELab	60.00, -10.01, 44.51
CIELCh	60, 45.617, 102.671
Yxy	28.1233, 0.3973, 0.4588
Android (android.graphics.Color)	4288189503 (0xFF98943F)
YUV	139.5060, -37.7175, 10.9572
Hunter-Lab	53.0314, -10.8279, 27.2639

Details

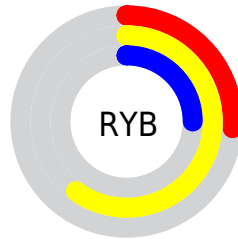
The CIELCh color $60, 45.617, 102.671$ is a dark color, and the websafe version is hex 999933 . A complement of this color would be $32, 53.284, 297.434$, and the grayscale version is $58, 0.007, 296.813$.

A 20% lighter version of the original color is $80, 45.608, 102.868$, and $40, 45.708, 103.193$ is the 20% darker color. If you saturate the color by 10%, you get $60, 52.017, 101.843$, and if you desaturate by 10%, it is $60, 38.489, 103.581$.

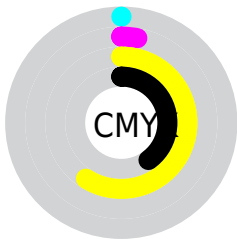
Distribution



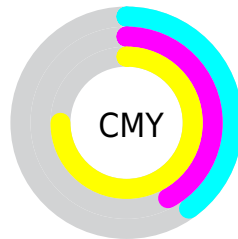
- Red (60%)
- Green (58%)
- Blue (25%)



- Red (26%)
- Yellow (60%)
- Blue (25%)



- Cyan (0%)
- Magenta (3%)
- Yellow (59%)
- Black (40%)





- Cyan (40%)
- Magenta (42%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 60, 45.617, 102.671 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, 45.617, 102.671 by changing the saturation by 10% instead.


 60, 45.617,
102.671


 60, 45.617,
102.671


 100, 45.617,
102.671


 50, 45.617,
102.671


 80, 45.617,
102.671

 40, 45.617,
102.671

 90, 45.617,
102.671

 30, 45.617,
102.671

 20, 45.617,
102.671

 10, 45.617,
102.671

 0, 45.617, 102.671

 60, 45.617,

 60, 45.617,

102.671

102.671

■ 60, 52.017,
101.843

■ 60, 38.489,
103.581

■ 59, 57.318,
101.117

■ 61, 30.907,
104.536

■ 59, 61.113,
100.523

■ 61, 23.055,
105.518

■ 59, 63.405,
100.050

■ 62, 15.054,
106.507

■ 59, 63.704, 99.988

■ 62, 6.978, 107.486

■ 63, 1.123, 288.522

■ 63, 9.219, 289.411

■ 64, 17.291,
290.316

■ 65, 25.323,

Harmonies

Complementary

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



60, 45.617, 102.671



32, 53.284, 297.434

Rectangle

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



60, 45.617, 102.671



60, 45.617, 152.671



60, 45.617, 282.671



60, 45.617, 332.671

Sweetspot

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



60, 45.618, 102.674



78, 17.948, 106.534



39, 41.047, 23.251



41, 12.562, 106.266



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



60, 45.618, 102.674



75, 64.847, 101.631



58, 50.668, 124.691



32, 4.603, 107.427



55, 60.149, 100.008



3, 4.966, 108.084

Inverse Universe

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



32, 53.284, 297.434



35, 80.014, 300.361



35, 55.878, 310.494



30, 4.694, 289.292



16, 83.471, 305.539



0, 5.000, 288.363

Previews

White Background



This preview shows how the CIELCh color 60, 45.617, 102.671 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, 45.617, 102.671 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, 45.617, 102.671

Background



This preview shows how black text looks on a background with the CIELCh color 60, 45.617, 102.671.



This preview shows how white text looks on a background with the CIELCh color 60, 45.617, 102.671.

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, 45.617, 102.671

Protanopia
60, 45.390, 95.687

Deuteranopia
60, 44.364, 80.149



Tritanopia
60, 10.287, 343.426

Trichromacy



Original Color
60, 45.617, 102.671

Protanomaly
60, 45.535, 98.037

Deuteranomaly
60, 43.937, 88.824

Tritanomaly
60, 14.930, 83.647

Monochromacy



Original Color
60, 45.617, 102.671

Achromatopsia
58, 0.007, 296.813

Achromatomaly
58, 17.452, 105.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 60, 45.617, 102.671 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(152, 148, 63)` looks like.

```
.text, #text, p{  
    color:rgb(152, 148, 63)  
}
```

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(152, 148, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 148, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 60, 45.617, 102.671 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(152, 148, 63) }
```

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

```
.border{ border-color:rgb(152, 148, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 148, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 148, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 148, 63);  
box-shadow:4px 4px 4px 4px rgb(152, 148,  
63) }
```

Background

The CSS property to change the background color of an element to CIELCh 60, 45.617, 102.671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 148, 63) }
```

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

```
.background{ background-color: rgb(152,  
148, 63) }
```

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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