

Converting Colors

CIELCh(39, 22.882, 115.933)

Have a look what the booklet for
CIELCh(39, 22.882, 115.933)
contains.

CIELCh(39, 23.005, 115.931)	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(39, 23.005, 115.931)

Conversions

Conversions Part 1

Format	Color
Hex	58603A
RGB	88, 96, 58
RGB Percent	35%, 38%, 23%
CMY	0.6563, 0.6249, 0.7739
CMYK	0.08, 0.00, 0.40, 0.62
HSL	73°, 25%, 30%
HSV	73°, 40%, 38%
XYZ	8.8953, 10.6589, 5.5463
YIQ	89.2760, 7.4300, -13.5140

Conversions

Conversions Part 2

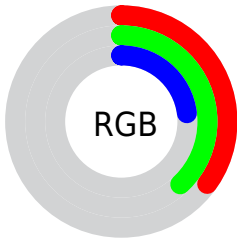
Format	Color
RYB	58, 96, 66
Decimal	5791802
CIELab	39.00, -10.06, 20.69
CIELCh	39, 23.005, 115.931
Yxy	10.6589, 0.3544, 0.4247
Android (android.graphics.Color)	4283981882 (0xFF58603A)
YUV	89.2760, -15.4191, -1.1191
Hunter-Lab	32.6480, -8.5001, 12.7813

Details

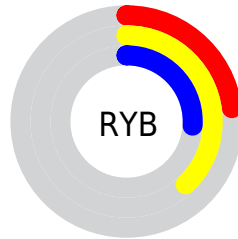
The CIELCh color **39, 23.005, 115.931** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **27, 25.042, 301.557**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 22.541, 115.122**, and **19, 22.873, 115.578** is the 20% darker color. If you saturate the color by 10%, you get **39, 28.489, 115.358**, and if you desaturate by 10%, it is **39, 17.333, 116.549**.

Distribution



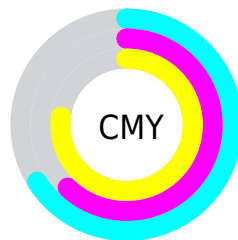
- Red (35%)
- Green (38%)
- Blue (23%)



- Red (23%)
- Yellow (38%)
- Blue (26%)



- Cyan (8%)
- Magenta (0%)
- Yellow (40%)
- Black (62%)





- Cyan (66%)
- Magenta (62%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 23.005, 115.931 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 39, 23.005, 115.931 by changing the saturation by 10% instead.


 39, 23.005,
115.931


 39, 23.005,
115.931

 100, 23.005,
115.931


 29, 23.005,
115.931

 59, 23.005,
115.931


 19, 23.005,
115.931


 69, 23.005,
115.931

 9, 23.005, 115.931

 79, 23.005,
115.931

 0, 23.005, 115.931

 89, 23.005,
115.931

 99, 23.005,
115.931

■ 39, 23.005,
115.931

■ 39, 23.005,
115.931

■ 39, 28.489,
115.358

■ 39, 17.333,
116.549

■ 38, 33.672,
114.861

■ 40, 11.547,
117.181

■ 38, 38.396,
114.491

■ 40, 5.698, 117.811

■ 38, 42.452,
114.317

■ 41, 0.176, 298.372

■ 41, 6.050, 299.015

■ 38, 45.603,
114.415

■ 42, 11.907,
299.582

■ 38, 48.400,
114.579

■ 42, 17.732,
300.118

■ 38, 48.485,
114.581

■ 43, 23.515,
300.622

■ 43, 29.249,
301.095

Harmonies

Complementary

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



39, 23.005, 115.931



27, 25.042, 301.557

Rectangle

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



39, 23.005, 115.931



39, 23.005, 165.931



39, 23.005, 295.931



39, 23.005, 345.931

Sweetspot

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



39, 23.006, 115.933



52, 8.772, 117.644



31, 15.639, 39.350



27, 5.864, 117.595



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



39, 23.006, 115.933



50, 34.286, 115.371



38, 25.831, 133.917



20, 3.327, 117.862



44, 54.308, 114.789



88, 95.230, 115.478

Inverse Universe

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



27, 25.042, 301.557



31, 38.317, 302.574



29, 26.550, 317.312



18, 3.388, 298.977



12, 71.506, 307.684



32, 125.806, 307.239

Previews

White Background



This preview shows how the CIE LCh color 39, 23.005, 115.931 looks on a white 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

Black Background



This preview shows how the CIELCh color 39, 23.005, 115.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

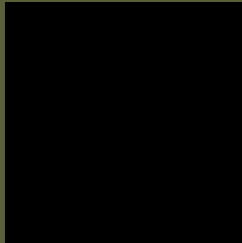
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 23.005, 115.931

Background



This preview shows how black text looks on a background with the CIELCh color 39, 23.005, 115.931.



This preview shows how white text looks on a background with the CIELCh color 39, 23.005, 115.931.

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


39, 23.005, 115.931

Protanopia

39, 22.014, 96.694

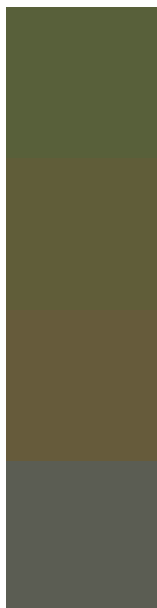
Deuteranopia

39, 20.772, 76.664



Tritanopia
39, 4.381, 301.656

Trichromacy



Original Color
39, 23.005, 115.931

Protanomaly
39, 21.668, 102.963

Deuteranomaly
39, 20.088, 91.937

Tritanomaly
39, 6.158, 117.322

Monochromacy



Original Color
39, 23.005, 115.931

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 7.995, 115.236

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 23.005, 115.931 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(88, 96, 58)` looks like.

```
.text, #text, p{  
    color:rgb(88, 96, 58)  
}
```

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(88, 96, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 96, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 23.005, 115.931 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(88, 96, 58) }
```

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

```
.border{ border-color:rgb(88, 96, 58) }
```

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

Here you see how a box with a 4 pixel rgb(88, 96, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 96, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 96, 58);  
box-shadow:4px 4px 4px 4px rgb(88, 96, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 23.005, 115.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 96, 58) }
```

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

```
.background{ background-color: rgb(88, 96,  
58) }
```

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