

Converting Colors

CIE LCh(39, 12.008, 9.010)

Have a look what the booklet for
CIELCh(39, 12.008, 9.010) contains.

| | |
|--|----|
| CIELCh(39, 12.032, 9.570) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 11 |
| <i>Previews</i> | 20 |
| <i>Color Blindness Simulation</i> | 23 |
| <i>CSS Examples</i> | 26 |

Color

CIELCh(39, 12.032, 9.570)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | 705559 |
| RGB | 112, 85, 89 |
| RGB Percent | 44%, 33%, 35% |
| CMY | 0.5609, 0.6667, 0.6510 |
| CMYK | 0.00, 0.24, 0.21, 0.56 |
| HSL | 351°, 14%, 39% |
| HSV | 351°, 24%, 44% |
| XYZ | 11.7295, 10.6589, 10.8867 |
| YIQ | 93.5290, 14.8080, 6.9680 |

Conversions

Conversions Part 2

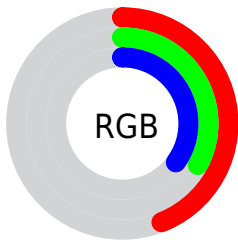
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 112, 85, 89 |
| Decimal | 7361881 |
| CIE Lab | 39.00, 11.86, 2.00 |
| CIE LCh | 39, 12.032, 9.570 |
| Yxy | 10.6589, 0.3525, 0.3203 |
| Android (android.graphics.Color) | 4285551961 (0xFF705559) |
| YUV | 93.5290, -2.2328, 16.1991 |
| Hunter-Lab | 32.6480, 6.9957, 3.0830 |

Details

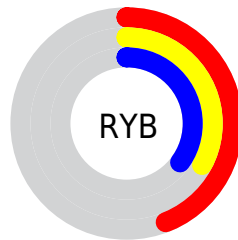
The CIELCh color $39, 12.032, 9.570$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $45, 10.798, 185.361$, and the grayscale version is $40, 0.006, 296.813$.

A 20% lighter version of the original color is $59, 11.853, 9.709$, and $19, 12.101, 9.536$ is the 20% darker color. If you saturate the color by 10%, you get $36, 17.444, 10.881$, and if you desaturate by 10%, it is $42, 6.852, 8.479$.

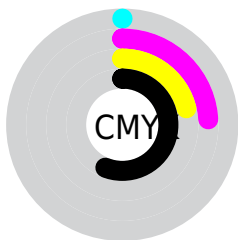
Distribution



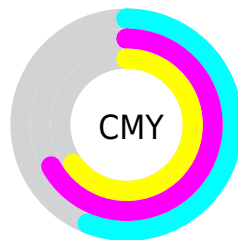
- Red (44%)
- Green (33%)
- Blue (35%)



- Red (44%)
- Yellow (33%)
- Blue (35%)



- Cyan (0%)
- Magenta (24%)
- Yellow (21%)
- Black (56%)



- Cyan (56%)
- Magenta (67%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 12.032, 9.570 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, 12.032, 9.570 by changing the saturation by 10% instead.

 39, 12.032, 9.570  39, 12.032, 9.570

 100, 12.032, 9.570  29, 12.032, 9.570

 59, 12.032, 9.570  19, 12.032, 9.570

 69, 12.032, 9.570  9, 12.032, 9.570

 79, 12.032, 9.570  0, 12.032, 9.570

 89, 12.032, 9.570

 99, 12.032, 9.570

 39, 12.032, 9.570  39, 12.032, 9.570

 36, 17.444, 10.881  42, 6.852, 8.479

 33, 23.024, 12.477  46, 1.940, 7.447

30, 28.660, 14.457

49, 2.699, 186.977

27, 34.194, 16.936

53, 7.074, 186.228

25, 39.442, 20.037

56, 11.201,
185.623

24, 44.241, 23.842

60, 15.100,
185.094

22, 48.544, 28.222

63, 18.795,
184.623

22, 51.096, 30.430

67, 22.305,
184.200

71, 25.650,
183.817

Harmonies

Complementary

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



39, 12.032, 9.570



45, 10.798, 185.361

Rectangle

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



39, 12.032, 9.570



39, 12.032, 59.570



39, 12.032, 189.570



39, 12.032, 239.570

Sweetspot

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



39, 12.031, 9.575



57, 4.130, 7.786



39, 18.910, 321.334



29, 2.707, 7.825



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



39, 12.031, 9.575



48, 18.180, 10.283



42, 9.718, 55.843



22, 2.697, 7.968



24, 53.895, 30.948



52, 94.948, 34.030

Inverse Universe

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



39, 12.031, 9.575



48, 18.180, 10.283



42, 8.638, 240.328



22, 2.697, 7.968



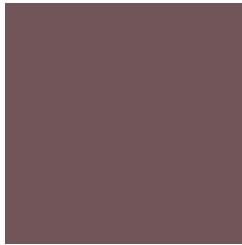
24, 53.895, 30.948



52, 94.948, 34.030

Previews

White Background



This preview shows how the CIE LCh color 39, 12.032, 9.570 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 CIE LCh color 39, 12.032, 9.570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

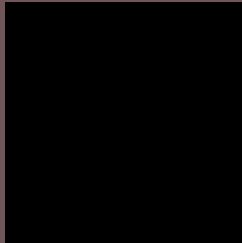
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 12.032, 9.570

Background



This preview shows how black text looks on a background with the CIELCh color 39, 12.032, 9.570.

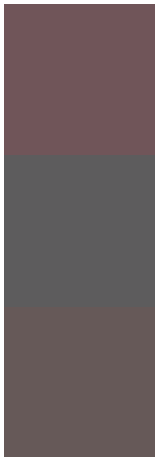


This preview shows how white text looks on a background with the CIELCh color 39, 12.032, 9.570.

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, 12.032, 9.570

Protanopia

39, 0.751, 324.299

Deuteranopia

39, 5.681, 26.258



Tritanopia
39, 12.242, 3.954

Trichromacy



Original Color
39, 12.032, 9.570

Protanomaly
39, 5.045, 358.807

Deuteranomaly
39, 7.861, 20.468

Tritanomaly
39, 12.122, 6.737

Monochromacy



Original Color
39, 12.032, 9.570

Achromatopsia
40, 0.006, 296.813

Achromatomaly
40, 4.319, 11.848

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 12.032, 9.570 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(112, 85, 89)` looks like.

```
.text, #text, p{  
    color:rgb(112, 85, 89)  
}
```

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(112, 85, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 85, 89) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 12.032, 9.570 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(112, 85, 89) }
```

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

```
.border{ border-color:rgb(112, 85, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 85, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 85, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 85, 89);  
box-shadow:4px 4px 4px 4px rgb(112, 85,  
89) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 12.032, 9.570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 85, 89) }
```

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

```
.background{ background-color: rgb(112, 85,  
89) }
```

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