

Converting Colors

CIELCh(39, 46.846, 110.979)

Have a look what the booklet for
CIELCh(39, 46.846, 110.979)
contains.

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Color

CIELCh(39, 46.993, 110.905)

Conversions

Conversions Part 1

Format	Color
Hex	556206
RGB	85, 98, 6
RGB Percent	33%, 38%, 2%
CMY	0.6670, 0.6160, 0.9769
CMYK	0.13, 0.00, 0.94, 0.62
HSL	68°, 89%, 20%
HSV	68°, 94%, 38%
XYZ	8.1298, 10.6589, 1.7978
YIQ	83.6250, 21.7840, -31.3680

Conversions

Conversions Part 2

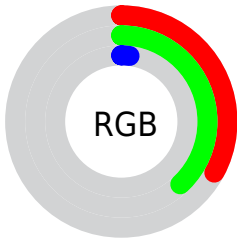
Format	Color
RYB	6, 98, 19
Decimal	5595654
CIELab	39.00, -16.77, 43.90
CIElCh	39, 46.993, 110.905
Yxy	10.6589, 0.3949, 0.5178
Android (android.graphics.Color)	4283785734 (0xFF556206)
YUV	83.6250, -38.2691, 1.2059
Hunter-Lab	32.6480, -12.6854, 19.5888

Details

The CIELCh color **39, 46.993, 110.905** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **10, 61.794, 306.321**, and the grayscale version is **36, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 47.215, 110.812**, and **19, 31.097, 119.643** is the 20% darker color. If you saturate the color by 10%, you get **39, 48.641, 110.909**, and if you desaturate by 10%, it is **39, 44.241, 110.873**.

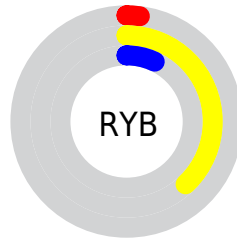
Distribution



Red (33%)

Green (38%)

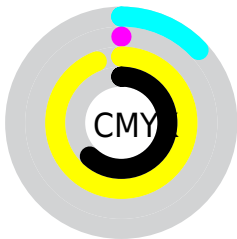
Blue (2%)



Red (2%)

Yellow (38%)

Blue (7%)

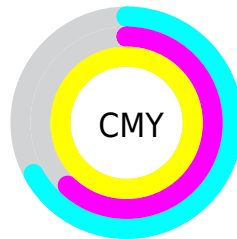


Cyan (13%)

Magenta (0%)

Yellow (94%)

Black (62%)



Cyan (67%)


Magenta (62%)


Yellow (98%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 39, 46.993, 110.905 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, 46.993, 110.905 by changing the saturation by 10% instead.


 39, 46.993,
110.905


 39, 46.993,
110.905

 100, 46.993,
110.905


 29, 46.993,
110.905

 59, 46.993,
110.905


 19, 46.993,
110.905


 69, 46.993,
110.905

 9, 46.993, 110.905

 79, 46.993,
110.905

 0, 46.993, 110.905

 89, 46.993,
110.905

 99, 46.993,
110.905

■ 39, 46.993,
110.905

■ 39, 46.993,
110.905

■ 39, 48.641,
110.909

■ 39, 44.241,
110.873

■ 39, 40.578,
111.067

■ 40, 36.113,
111.465

■ 40, 31.079,
112.005

■ 40, 25.666,
112.635

■ 40, 20.009,
113.318

■ 41, 14.202,
114.026

■ 41, 8.308, 114.739

Harmonies

Complementary

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



39, 46.993, 110.905



10, 61.794, 306.321

Rectangle

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



39, 46.993, 110.905



39, 46.993, 160.905



39, 46.993, 290.905



39, 46.993, 340.905

Sweetspot

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



39, 46.993, 110.907



52, 20.548, 113.681



20, 44.577, 38.933



26, 14.037, 113.467



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, 46.993, 110.907



50, 58.719, 111.141



36, 53.637, 130.832



20, 3.305, 115.102



44, 53.566, 111.035



90, 93.783, 111.528

Inverse Universe

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



10, 61.794, 306.321



14, 79.138, 307.007



16, 57.471, 316.037



18, 3.369, 296.374



11, 72.128, 307.089



31, 126.740, 306.752

Previews

White Background



This preview shows how the CIELCh color 39, 46.993, 110.905 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, 46.993, 110.905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

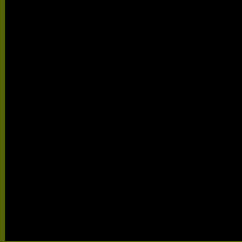
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 46.993, 110.905

Background



This preview shows how black text looks on a background with the CIELCh color 39, 46.993, 110.905.



This preview shows how white text looks on a background with the CIELCh color 39, 46.993, 110.905.

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, 46.993, 110.905

Protanopia

39, 46.445, 95.284

Deuteranopia

39, 41.701, 82.913



Tritanopia
39, 4.318, 296.299

Trichromacy



Original Color
39, 46.993, 110.905

Protanomaly
39, 46.146, 101.056

Deuteranomaly
39, 42.287, 93.781

Tritanomaly
39, 17.653, 114.871

Monochromacy



Original Color
39, 46.993, 110.905

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 20.152, 113.576

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 46.993, 110.905 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(85, 98, 6)` looks like.

```
.text, #text, p{  
    color:rgb(85, 98, 6)  
}
```

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(85, 98, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 98, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 46.993, 110.905 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(85, 98, 6) }
```

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

```
.border{ border-color:rgb(85, 98, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 98, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 98, 6); -webkit-box-shadow:4px  
4px 4px 4px rgb(85, 98, 6); box-shadow:4px  
4px 4px 4px rgb(85, 98, 6) }
```

Background

The CSS property to change the background color of an element to CIELCh 39, 46.993, 110.905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 98, 6) }
```

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

```
.background{ background-color: rgb(85, 98,  
6) }
```

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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