

Converting Colors

CIELCh(39, 65.612, 50.484)

Have a look what the booklet for
CIELCh(39, 65.612, 50.484) contains.

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Color

CIELCh(39, 65.613, 50.387)

Conversions

Conversions Part 1

Format	Color
Hex	A33900
RGB	163, 57, 0
RGB Percent	64%, 22%, 0%
CMY	0.3619, 0.7774, 1.0000
CMYK	0.00, 0.65, 1.00, 0.36
HSL	21°, 100%, 32%
HSV	21°, 100%, 64%
XYZ	16.4965, 10.6589, 1.1818
YIQ	82.1960, 81.4730, 4.7450

Conversions

Conversions Part 2

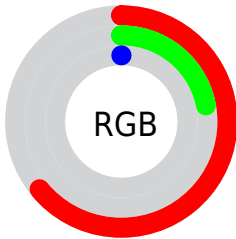
Format	Color
RYB	163, 88, 0
Decimal	10696960
CIELab	39.00, 41.83, 50.55
CIELCh	39, 65.613, 50.387
Yxy	10.6589, 0.5821, 0.3761
Android (android.graphics.Color)	4288887040 (0xFFA33900)
YUV	82.1960, -40.5226, 70.8651
Hunter-Lab	32.6480, 33.0589, 20.7075

Details

The CIELCh color **39, 65.613, 50.387** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **43, 37.862, 264.122**, and the grayscale version is **35, 0.005, 296.813**.

A 20% lighter version of the original color is **59, 65.679, 50.646**, and **20, 50.932, 36.087** is the 20% darker color. If you saturate the color by 10%, you get **39, 65.555, 50.345**, and if you desaturate by 10%, it is **41, 59.465, 51.466**.

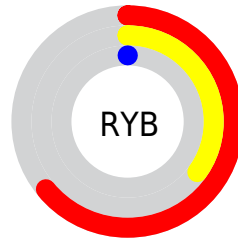
Distribution



Red (64%)

Green (22%)

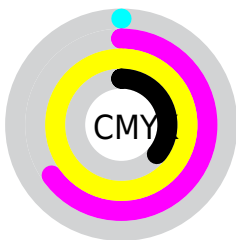
Blue (0%)



Red (64%)

Yellow (35%)

Blue (0%)

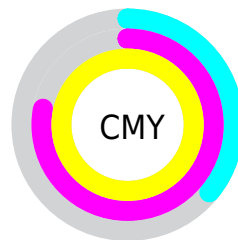


Cyan (0%)

Magenta (65%)

Yellow (100%)

Black (36%)



Cyan (36%)

Magenta (78%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 39, 65.613, 50.387 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, 65.613, 50.387 by changing the saturation by 10% instead.

39, 65.613, 50.387

39, 65.613, 50.387

100, 65.613,
50.387

29, 65.613, 50.387

59, 65.613, 50.387

19, 65.613, 50.387

69, 65.613, 50.387

9, 65.613, 50.387

79, 65.613, 50.387

0, 65.613, 50.387

89, 65.613, 50.387

99, 65.613, 50.387

39, 65.613, 50.387

39, 65.613, 50.387

39, 65.555, 50.345

41, 59.465, 51.466

■ 43, 52.473, 52.346

■ 46, 44.905, 52.904

■ 48, 37.355, 53.398

■ 51, 30.096, 53.933

■ 54, 23.241, 54.541

■ 57, 16.819, 55.223

■ 60, 10.824, 55.961

■ 64, 5.228, 56.720

Harmonies

Complementary

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



39, 65.613, 50.387



43, 37.862, 264.122

Rectangle

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



39, 65.613, 50.387



39, 65.613, 100.387



39, 65.613, 230.387



39, 65.613, 280.387

Sweetspot

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



39, 65.555, 50.345



73, 20.875, 55.183



36, 64.751, 347.170



37, 14.563, 54.903



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



39, 65.555, 50.345



50, 80.246, 49.659



57, 62.110, 90.841



33, 2.957, 56.773



35, 60.145, 50.698



2, 4.474, 53.542

Inverse Universe

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



43, 37.862, 264.122



55, 46.598, 265.174



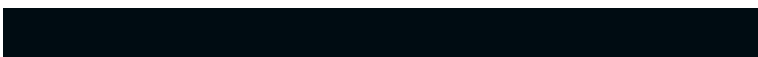
22, 85.844, 303.221



33, 2.833, 238.572



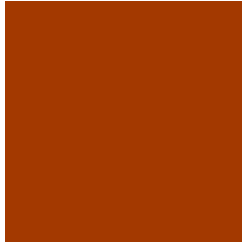
38, 34.647, 263.586



3, 4.547, 244.690

Previews

White Background



This preview shows how the CIELCh color 39, 65.613, 50.387 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, 65.613, 50.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

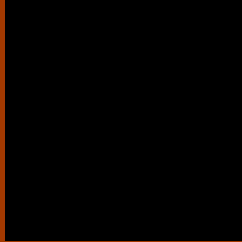
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 39, 65.613, 50.387

Background



This preview shows how black text looks on a background with the CIELCh color 39, 65.613, 50.387.



This preview shows how white text looks on a background with the CIELCh color 39, 65.613, 50.387.

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, 65.613, 50.387

Protanopia

39, 41.912, 95.277

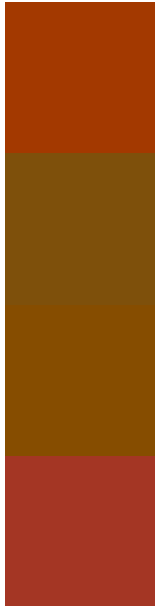
Deuteranopia

39, 47.334, 84.492



Tritanopia
39, 51.645, 27.545

Trichromacy



Original Color
39, 65.613, 50.387

Protanomaly
38, 45.849, 72.295

Deuteranomaly
39, 51.473, 68.078

Tritanomaly
39, 56.853, 38.718

Monochromacy



Original Color
39, 65.613, 50.387

Achromatopsia
35, 0.005, 296.813

Achromatomaly
35, 23.460, 54.567

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 39, 65.613, 50.387 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(163, 57, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 57, 0)  
}
```

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(163, 57, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 57, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 39, 65.613, 50.387 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(163, 57, 0) }
```

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

```
.border{ border-color:rgb(163, 57, 0) }
```

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

Here you see how a box with a 4 pixel rgb(163, 57, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 57, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 57, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 57, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 39, 65.613, 50.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 57, 0) }
```

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

```
.background{ background-color: rgb(163, 57,  
0) }
```

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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