

Converting Colors

CIELCh(36, 54.881, 48.996)

Have a look what the booklet for
CIELCh(36, 54.881, 48.996) contains.

CIELCh(36, 54.939, 48.913)	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(36, 54.939, 48.913)

Conversions

Conversions Part 1

Format	Color
Hex	923810
RGB	146, 56, 16
RGB Percent	57%, 22%, 6%
CMY	0.4268, 0.7798, 0.9367
CMYK	0.00, 0.62, 0.89, 0.43
HSL	18°, 80%, 32%
HSV	18°, 89%, 57%
XYZ	13.4020, 9.0082, 1.5286
YIQ	78.3500, 66.4800, 6.6400

Conversions

Conversions Part 2

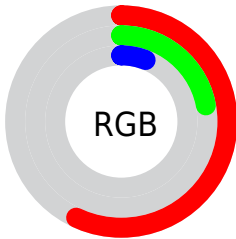
Format	Color
R_{YB}	146, 74, 16
Decimal	9582608
CIE _{Lab}	36.00, 36.11, 41.41
CIE _{LCh}	36, 54.939, 48.913
Yxy	9.0082, 0.5598, 0.3763
Android (android.graphics.Color)	4287772688 (0xFF923810)
YUV	78.3500, -30.7385, 59.3291
Hunter-Lab	30.0136, 27.1822, 17.9900

Details

The CIELCh color **36, 54.939, 48.913** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **42, 30.344, 251.470**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 55.051, 48.853**, and **16, 44.002, 34.547** is the 20% darker color. If you saturate the color by 10%, you get **34, 61.056, 48.389**, and if you desaturate by 10%, it is **38, 48.124, 49.290**.

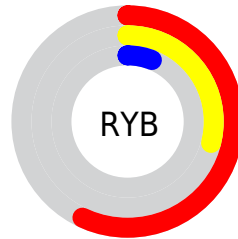
Distribution



Red (57%)

Green (22%)

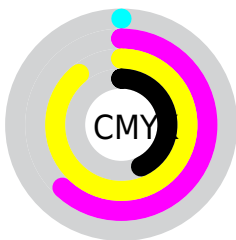
Blue (6%)



Red (57%)

Yellow (29%)

Blue (6%)

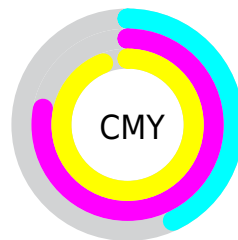


Cyan (0%)

Magenta (62%)

Yellow (89%)

Black (43%)



Cyan (43%)

Magenta (78%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 54.939, 48.913 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 36, 54.939, 48.913 by changing the saturation by 10% instead.

 36, 54.939, 48.913

 36, 54.939, 48.913

 100, 54.939,
48.913

 26, 54.939, 48.913

 56, 54.939, 48.913

 16, 54.939, 48.913

 66, 54.939, 48.913

 6, 54.939, 48.913

 76, 54.939, 48.913

 0, 54.939, 48.913

 86, 54.939, 48.913

 96, 54.939, 48.913

 36, 54.939, 48.913

 36, 54.939, 48.913

 34, 61.056, 48.389

 38, 48.124, 49.290

34, 61.736, 48.410

40, 40.948, 49.450

43, 33.883, 49.618

46, 27.141, 49.876

49, 20.803, 50.242

52, 14.891, 50.707

55, 9.391, 51.249

58, 4.276, 51.820

61, 0.488, 233.396

Harmonies

Complementary

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



36, 54.939, 48.913



42, 30.344, 251.470

Rectangle

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



36, 54.939, 48.913



36, 54.939, 98.913



36, 54.939, 228.913



36, 54.939, 278.913

Sweetspot

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



36, 54.937, 48.915



67, 17.201, 50.778



33, 59.848, 342.630



34, 11.818, 50.623



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



36, 54.937, 48.915



45, 75.909, 47.718



51, 53.895, 89.721



30, 2.727, 51.806



32, 58.864, 48.491



1, 2.317, 52.500

Inverse Universe

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



42, 30.344, 251.470



52, 39.978, 257.665



23, 67.633, 299.072



30, 2.602, 233.298



38, 30.989, 256.192



2, 2.317, 232.519

Previews

White Background



This preview shows how the CIELCh color 36, 54.939, 48.913 looks on a white background.

Color Contrast Check

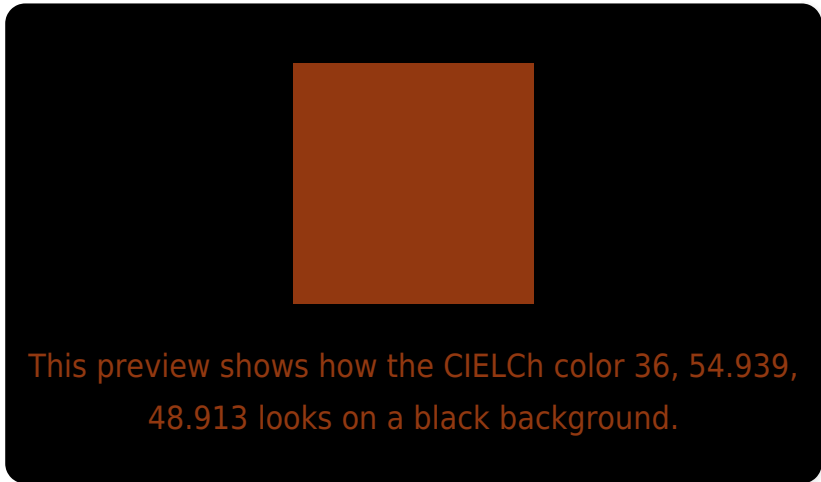
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

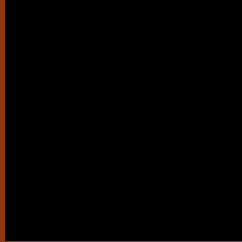
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 54.939, 48.913

Background



This preview shows how black text looks on a background with the CIELCh color 36, 54.939, 48.913.



This preview shows how white text looks on a background with the CIELCh color 36, 54.939, 48.913.

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

36, 54.939, 48.913

Protanopia

36, 36.017, 96.073

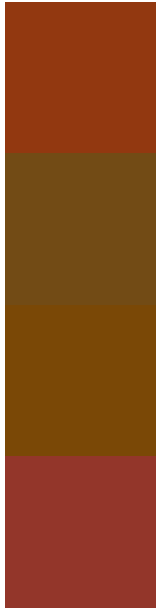
Deuteranopia

36, 44.716, 84.498



Tritanopia
36, 44.277, 25.922

Trichromacy



Original Color
36, 54.939, 48.913

Protanomaly
35, 38.603, 72.614

Deuteranomaly
36, 46.081, 68.763

Tritanomaly
36, 47.523, 35.970

Monochromacy



Original Color
36, 54.939, 48.913

Achromatopsia
34, 0.005, 296.813

Achromatomaly
33, 18.578, 51.225

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 54.939, 48.913 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(146, 56, 16)` looks like.

```
.text, #text, p{  
    color:rgb(146, 56, 16)  
}
```

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(146, 56, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 56, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 54.939, 48.913 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(146, 56, 16) }
```

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

```
.border{ border-color:rgb(146, 56, 16) }
```

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

Here you see how a box with a 4 pixel rgb(146, 56, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 56, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 56, 16);  
box-shadow:4px 4px 4px 4px rgb(146, 56,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 54.939, 48.913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 56, 16) }
```

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

```
.background{ background-color: rgb(146, 56,  
16) }
```

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