

Converting Colors

CIELCh(36, 63.623, 48.806)

Have a look what the booklet for
CIELCh(36, 63.623, 48.806) contains.

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Color

CIELCh(36, 63.527, 48.953)

Conversions

Conversions Part 1

Format	Color
Hex	993100
RGB	153, 49, 0
RGB Percent	60%, 19%, 0%
CMY	0.3991, 0.8070, 0.9994
CMYK	0.00, 0.68, 1.00, 0.40
HSL	19°, 100%, 30%
HSV	19°, 100%, 60%
XYZ	14.2877, 9.0082, 0.9901
YIQ	74.5100, 77.7130, 6.8090

Conversions

Conversions Part 2

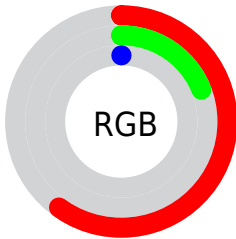
Format	Color
RYB	153, 72, 0
Decimal	10039552
CIELab	36.00, 41.72, 47.91
CIElCh	36, 63.527, 48.953
Yxy	9.0082, 0.5883, 0.3709
Android (android.graphics.Color)	4288229632 (0xFF993100)
YUV	74.5100, -36.7334, 68.8357
Hunter-Lab	30.0136, 32.4493, 19.0536

Details

The CIELCh color **36, 63.527, 48.953** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **42, 34.337, 258.968**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 63.279, 49.236**, and **17, 46.587, 34.657** is the 20% darker color. If you saturate the color by 10%, you get **36, 63.593, 48.957**, and if you desaturate by 10%, it is **38, 57.351, 49.638**.

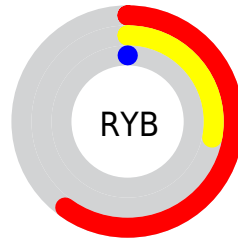
Distribution



Red (60%)

Green (19%)

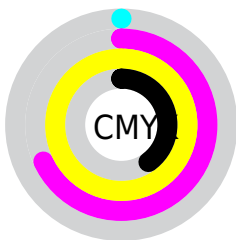
Blue (0%)



Red (60%)

Yellow (28%)

Blue (0%)

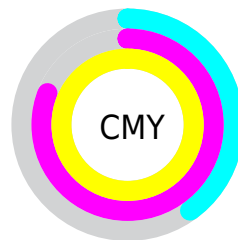


Cyan (0%)

Magenta (68%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (81%)

Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 63.527, 48.953 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, 63.527, 48.953 by changing the saturation by 10% instead.

 36, 63.527, 48.953

 36, 63.527, 48.953

 100, 63.527,
48.953

 26, 63.527, 48.953

 56, 63.527, 48.953

 16, 63.527, 48.953

 66, 63.527, 48.953

 6, 63.527, 48.953

 76, 63.527, 48.953

 0, 63.527, 48.953

 86, 63.527, 48.953

 96, 63.527, 48.953

 36, 63.527, 48.953

 36, 63.527, 48.953

 36, 63.593, 48.957

 38, 57.351, 49.638

40, 50.455, 50.205

42, 43.079, 50.497

45, 35.766, 50.765

48, 28.762, 51.104

51, 22.166, 51.540

54, 16.004, 52.069

57, 10.267, 52.669

60, 4.926, 53.302

Harmonies

Complementary

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



36, 63.527, 48.953



42, 34.337, 258.968

Rectangle

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



36, 63.527, 48.953



36, 63.527, 98.953



36, 63.527, 228.953



36, 63.527, 278.953

Sweetspot

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



36, 63.525, 48.955



68, 19.913, 52.029



34, 62.623, 345.771



34, 13.746, 51.818



90, 0.011, 296.813



42, 0.006, 296.813

Same Dimension

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



36, 63.525, 48.955



47, 77.699, 48.269



53, 58.933, 89.542



31, 2.802, 53.344



33, 59.360, 49.165



2, 2.944, 53.420

Inverse Universe

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



42, 34.337, 258.968



53, 42.125, 260.115



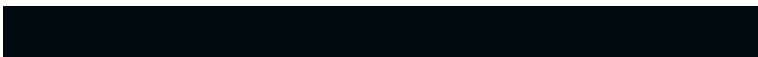
21, 80.374, 302.579



31, 2.677, 234.935



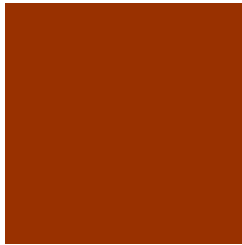
38, 32.078, 258.577



2, 2.945, 235.521

Previews

White Background



This preview shows how the CIELCh color 36, 63.527, 48.953 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



This preview shows how the CIELCh color 36, 63.527, 48.953 looks on a 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, 63.527, 48.953

Background



This preview shows how black text looks on a background with the CIELCh color 36, 63.527, 48.953.



This preview shows how white text looks on a background with the CIELCh color 36, 63.527, 48.953.

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, 63.527, 48.953

Protanopia

36, 39.322, 95.423

Deuteranopia

36, 44.858, 85.291



Tritanopia
36, 51.158, 28.781

Trichromacy



Original Color
36, 63.527, 48.953

Protanomaly
35, 43.293, 71.395

Deuteranomaly
35, 48.738, 67.473

Tritanomaly
36, 55.705, 38.439

Monochromacy



Original Color
36, 63.527, 48.953

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 22.291, 51.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 63.527, 48.953 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(153, 49, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 49, 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(153, 49, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 49, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 63.527, 48.953 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(153, 49, 0) }
```

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

```
.border{ border-color:rgb(153, 49, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 49, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 49, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 49, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 49, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 63.527, 48.953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 49, 0) }
```

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

```
.background{ background-color: rgb(153, 49,  
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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