

Converting Colors

CIELCh(36, 62.842, 50.037)

Have a look what the booklet for
CIELCh(36, 62.842, 50.037) contains.

CIELCh(36, 62.687, 49.798)	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, 62.687, 49.798)

Conversions

Conversions Part 1

Format	Color
Hex	983300
RGB	152, 51, 0
RGB Percent	60%, 20%, 0%
CMY	0.4047, 0.8007, 1.0000
CMYK	0.00, 0.67, 1.00, 0.40
HSL	20°, 100%, 30%
HSV	20°, 100%, 60%
XYZ	14.0866, 9.0082, 0.9924
YIQ	75.3850, 76.5670, 5.5510

Conversions

Conversions Part 2

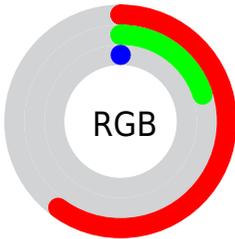
Format	Color
RYB	152, 77, 0
Decimal	9974528
CIELab	36.00, 40.46, 47.88
CIELCh	36, 62.687, 49.798
Yxy	9.0082, 0.5848, 0.3740
Android (android.graphics.Color)	4288164608 (0xFF983300)
YUV	75.3850, -37.1648, 67.1914
Hunter-Lab	30.0136, 31.2533, 19.0492

Details

The CIELCh color **36, 62.687, 49.798** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **41, 34.963, 261.470**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 62.705, 49.847**, and **17, 46.147, 34.492** is the 20% darker color. If you saturate the color by 10%, you get **36, 62.645, 49.767**, and if you desaturate by 10%, it is **38, 56.575, 50.581**.

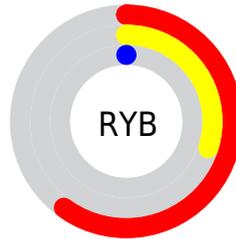
Distribution



Red (60%)

Green (20%)

Blue (0%)



Red (60%)

Yellow (30%)

Blue (0%)

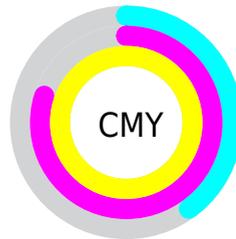


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (40%)



Cyan (40%)

Magenta (80%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 62.687, 49.798 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, 62.687, 49.798 by changing the saturation by 10% instead.

36, 62.687, 49.798

36, 62.687, 49.798

100, 62.687,
49.798

26, 62.687, 49.798

56, 62.687, 49.798

16, 62.687, 49.798

66, 62.687, 49.798

6, 62.687, 49.798

76, 62.687, 49.798

0, 62.687, 49.798

86, 62.687, 49.798

96, 62.687, 49.798

36, 62.687, 49.798

36, 62.687, 49.798

36, 62.645, 49.767

38, 56.575, 50.581

40, 49.827, 51.295

42, 42.588, 51.719

45, 35.396, 52.102

48, 28.497, 52.542

51, 21.991, 53.066

53, 15.905, 53.672

57, 10.229, 54.342

60, 4.937, 55.037

Harmonies

Complementary

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



36, 62.687, 49.798



41, 34.963, 261.470

Rectangle

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



36, 62.687, 49.798



36, 62.687, 99.798



36, 62.687, 229.798



36, 62.687, 279.798

Sweetspot

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



36, 62.645, 49.767



68, 19.658, 53.634



33, 61.599, 347.024



34, 13.710, 53.392



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, 62.645, 49.767



47, 76.320, 49.062



54, 59.050, 90.919



31, 2.801, 55.089



33, 58.926, 49.977



2, 2.944, 55.186

Inverse Universe

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



41, 34.963, 261.470



52, 42.787, 262.572



20, 81.200, 303.084



31, 2.680, 236.781



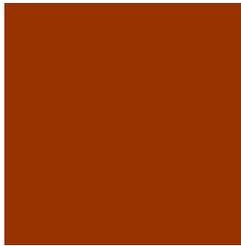
37, 32.868, 261.076



2, 2.948, 237.285

Previews

White Background



This preview shows how the CIELCh color 36, 62.687, 49.798 looks on a white background.

Color Contrast Check

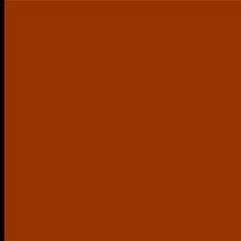
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIE LCh color 36, 62.687, 49.798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

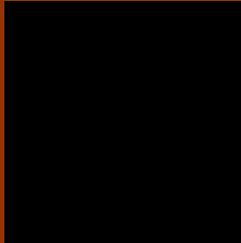
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 62.687, 49.798

Background



This preview shows how black text looks on a background with the CIELCh color 36, 62.687, 49.798.



This preview shows how white text looks on a background with the CIELCh color 36, 62.687, 49.798.

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, 62.687, 49.798

Protanopia

36, 39.322, 95.423

Deuteranopia

36, 44.858, 85.291



Tritanopia
36, 49.984, 27.838

Trichromacy



Original Color
36, 62.687, 49.798

Protanomaly
35, 43.293, 71.395

Deuteranomaly
36, 48.661, 68.185

Tritanomaly
36, 54.730, 38.395

Monochromacy



Original Color
36, 62.687, 49.798

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, 62.687, 49.798 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(152, 51, 0)` looks like.

```
.text, #text, p{  
    color:rgb(152, 51, 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(152, 51, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 51, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 62.687, 49.798 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(152, 51, 0) }
```

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

```
.border{ border-color:rgb(152, 51, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 51, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 51, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 51, 0);  
box-shadow:4px 4px 4px 4px rgb(152, 51, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 62.687, 49.798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 51, 0) }
```

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

```
.background{ background-color: rgb(152, 51,  
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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