

Converting Colors

CIELCh(36, 61.857, 7.684)

Have a look what the booklet for
CIELCh(36, 61.857, 7.684) contains.

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Color

CIELCh(36, 61.819, 7.769)

Conversions

Conversions Part 1

Format	Color
Hex	A9034A
RGB	169, 3, 74
RGB Percent	66%, 1%, 29%
CMY	0.3365, 0.9901, 0.7092
CMYK	0.00, 0.99, 0.56, 0.34
HSL	334°, 97%, 34%
HSV	334°, 99%, 66%
XYZ	17.6743, 9.0082, 7.3134
YIQ	60.7280, 76.1450, 57.2730

Conversions

Conversions Part 2

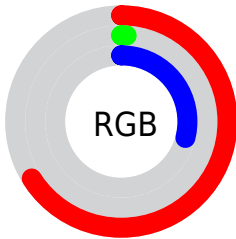
Format	Color
R_YB	169, 3, 74
Decimal	11076426
CIE _{Lab}	36.00, 61.25, 8.36
CIE _{LCh}	36, 61.819, 7.769
Yxy	9.0082, 0.5199, 0.2650
Android (android.graphics.Color)	4289266506 (0xFFA9034A)
YUV	60.7280, 6.5431, 94.9545
Hunter-Lab	30.0136, 52.5907, 6.5624

Details

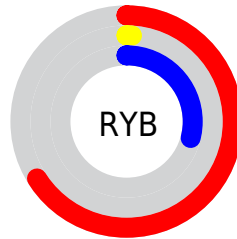
The CIELCh color **36, 61.819, 7.769** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **61, 59.989, 153.438**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 61.636, 8.123**, and **22, 46.879, 19.774** is the 20% darker color. If you saturate the color by 10%, you get **36, 62.125, 8.416**, and if you desaturate by 10%, it is **37, 59.760, 3.480**.

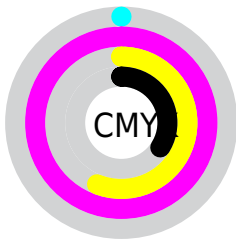
Distribution



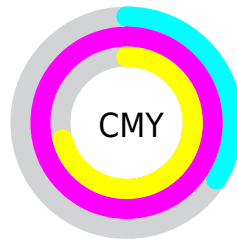
- Red (66%)
- Green (1%)
- Blue (29%)



- Red (66%)
- Yellow (1%)
- Blue (29%)



- Cyan (0%)
- Magenta (99%)
- Yellow (56%)
- Black (34%)



- Cyan (34%)
- Magenta (99%)
- Yellow (71%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 61.819, 7.769 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, 61.819, 7.769 by changing the saturation by 10% instead.

36, 61.819, 7.769

36, 61.819, 7.769

100, 61.819, 7.769

26, 61.819, 7.769

56, 61.819, 7.769

16, 61.819, 7.769

66, 61.819, 7.769

6, 61.819, 7.769

76, 61.819, 7.769

0, 61.819, 7.769

86, 61.819, 7.769

96, 61.819, 7.769

36, 61.819, 7.769

36, 61.819, 7.769

36, 62.125, 8.416

37, 59.760, 3.480

39, 56.397,

359.954

■ 41, 51.482,
357.168

■ 44, 45.252,
354.950

■ 48, 38.084,
353.154

■ 52, 30.357,
351.664

■ 56, 22.385,
350.397

■ 61, 14.394,
349.294

■ 65, 6.531, 348.299

Harmonies

Complementary

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



36, 61.819, 7.769



61, 59.989, 153.438

Rectangle

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



36, 61.819, 7.769



36, 61.819, 57.769



36, 61.819, 187.769



36, 61.819, 237.769

Sweetspot

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



36, 61.816, 7.771



70, 29.124, 350.638



28, 89.809, 313.662



35, 19.878, 351.140



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



36, 61.816, 7.771



47, 75.438, 9.397



36, 75.009, 40.302



33, 4.328, 348.374



31, 56.258, 7.816



2, 7.505, 351.299

Inverse Universe

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



36, 61.816, 7.771



47, 75.438, 9.397



59, 33.801, 207.500



33, 4.328, 348.374



31, 56.258, 7.816



2, 7.505, 351.299

Previews

White Background



This preview shows how the CIELCh color 36, 61.819, 7.769 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, 61.819, 7.769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

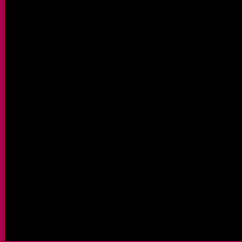
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 61.819, 7.769

Background



This preview shows how black text looks on a background with the CIELCh color 36, 61.819, 7.769.



This preview shows how white text looks on a background with the CIELCh color 36, 61.819, 7.769.

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, 61.706, 7.838

Protanopia

37, 13.056, 283.871

Deuteranopia

37, 13.866, 68.429



Tritanopia
36, 65.169, 34.625

Trichromacy



Original Color
36, 61.706, 7.838

Protanomaly
32, 33.481, 338.513

Deuteranomaly
33, 33.750, 9.973

Tritanomaly
36, 62.951, 25.510

Monochromacy



Original Color
36, 61.706, 7.838

Achromatopsia
26, 0.004, 296.813

Achromatomaly
26, 30.289, 354.408

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 61.819, 7.769 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(169, 3, 74)` looks like.

```
.text, #text, p{  
    color:rgb(169, 3, 74)  
}
```

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(169, 3, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 3, 74) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 61.819, 7.769 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(169, 3, 74) }
```

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

```
.border{ border-color:rgb(169, 3, 74) }
```

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

Here you see how a box with a 4 pixel rgb(169, 3, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 3, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 3, 74);  
box-shadow:4px 4px 4px 4px rgb(169, 3, 74)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 61.819, 7.769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 3, 74) }
```

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

```
.background{ background-color: rgb(169, 3,  
74) }
```

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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