

Converting Colors

CIELCh(36, 60.344, 9.690)

Have a look what the booklet for
CIELCh(36, 60.344, 9.690) contains.

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Color

CIELCh(36, 60.487, 9.962)

Conversions

Conversions Part 1

Format	Color
Hex	A80C47
RGB	168, 12, 71
RGB Percent	66%, 5%, 28%
CMY	0.3420, 0.9546, 0.7222
CMYK	0.00, 0.93, 0.58, 0.34
HSL	337°, 87%, 35%
HSV	337°, 93%, 66%
XYZ	17.3646, 9.0082, 6.7593
YIQ	65.3700, 74.0370, 51.4210

Conversions

Conversions Part 2

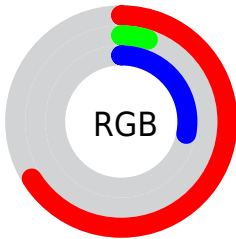
Format	Color
R_{YB}	168, 12, 71
Decimal	11013191
CIE Lab	36.00, 59.58, 10.46
CIE LCh	36, 60.487, 9.962
Yxy	9.0082, 0.5241, 0.2719
Android (android.graphics.Color)	4289203271 (0xFFA80C47)
YUV	65.3700, 2.7756, 90.0065
Hunter-Lab	30.0136, 50.7490, 7.6570

Details

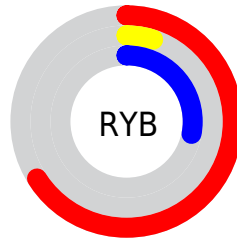
The CIELCh color **36, 60.487, 9.962** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **61, 54.536, 157.752**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 60.559, 10.026**, and **21, 47.084, 21.864** is the 20% darker color. If you saturate the color by 10%, you get **35, 62.195, 13.238**, and if you desaturate by 10%, it is **37, 57.429, 5.677**.

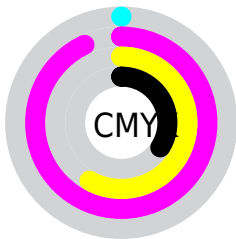
Distribution



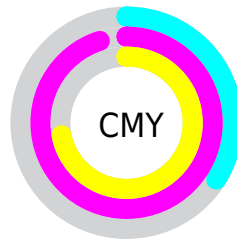
- Red (66%)
- Green (5%)
- Blue (28%)



- Red (66%)
- Yellow (5%)
- Blue (28%)



- Cyan (0%)
- Magenta (93%)
- Yellow (58%)
- Black (34%)



- Cyan (34%)
- Magenta (95%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 60.487, 9.962 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, 60.487, 9.962 by changing the saturation by 10% instead.

 36, 60.487, 9.962  36, 60.487, 9.962

 100, 60.487, 9.962  26, 60.487, 9.962

 56, 60.487, 9.962  16, 60.487, 9.962

 66, 60.487, 9.962  6, 60.487, 9.962

 76, 60.487, 9.962  0, 60.487, 9.962

 86, 60.487, 9.962

 96, 60.487, 9.962

 36, 60.487, 9.962  36, 60.487, 9.962

 35, 62.195, 13.238  37, 57.429, 5.677

 40, 52.967, 2.260

■ 42, 47.189,
359.558

■ 46, 40.402,
357.404

■ 49, 32.976,
355.652

■ 54, 25.239,
354.196

■ 58, 17.442,
352.955

■ 63, 9.753, 351.870

■ 67, 2.273, 350.797

Harmonies

Complementary

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



36, 60.487, 9.962



61, 54.536, 157.752

Rectangle

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



36, 60.487, 9.962



36, 60.487, 59.962



36, 60.487, 189.962



36, 60.487, 239.962

Sweetspot

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



36, 60.484, 9.964



71, 26.442, 353.604



30, 86.383, 315.321



35, 18.292, 354.137



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, 60.484, 9.964



47, 76.142, 14.332



36, 70.210, 40.299



33, 4.197, 351.481



31, 56.608, 12.626



2, 7.313, 354.143

Inverse Universe

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



36, 60.484, 9.964



47, 76.142, 14.332



57, 32.002, 216.087



33, 4.197, 351.481



31, 56.608, 12.626



2, 7.313, 354.143

Previews

White Background



This preview shows how the CIELCh color 36, 60.487, 9.962 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, 60.487, 9.962 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

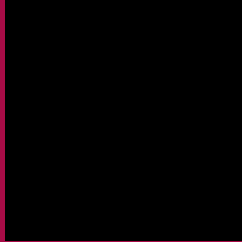
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 60.487, 9.962

Background



This preview shows how black text looks on a background with the CIELCh color 36, 60.487, 9.962.



This preview shows how white text looks on a background with the CIELCh color 36, 60.487, 9.962.

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, 60.487, 9.962

Protanopia

37, 9.915, 287.222

Deuteranopia

37, 15.211, 69.668



Tritanopia
36, 64.771, 34.577

Trichromacy



Original Color
36, 60.487, 9.962

Protanomaly
33, 29.792, 343.712

Deuteranomaly
34, 32.513, 16.332

Tritanomaly
36, 62.354, 26.347

Monochromacy



Original Color
36, 60.487, 9.962

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 27.760, 357.560

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 60.487, 9.962 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(168, 12, 71)` looks like.

```
.text, #text, p{  
    color:rgb(168, 12, 71)  
}
```

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(168, 12, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 12, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 60.487, 9.962 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(168, 12, 71) }
```

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

```
.border{ border-color:rgb(168, 12, 71) }
```

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

Here you see how a box with a 4 pixel rgb(168, 12, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 12, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 12, 71);  
box-shadow:4px 4px 4px 4px rgb(168, 12,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 60.487, 9.962 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 12, 71) }
```

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

```
.background{ background-color: rgb(168, 12,  
71) }
```

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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