

Converting Colors

CIELCh(29, 84.949, 352.755)

Have a look what the booklet for
CIELCh(29, 84.949, 352.755)
contains.

CIELCh(36, 62.483, 0.303)	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, 62.483, 0.303)

Conversions

Conversions Part 1

Format	Color
Hex	A80056
RGB	168, 0, 86
RGB Percent	66%, 0%, 34%
CMY	0.3398, 1.0000, 0.6609
CMYK	0.00, 1.00, 0.49, 0.34
HSL	329°, 100%, 33%
HSV	329°, 100%, 66%
XYZ	17.9039, 9.0082, 9.7003
YIQ	60.0360, 72.5220, 62.3620

Conversions

Conversions Part 2

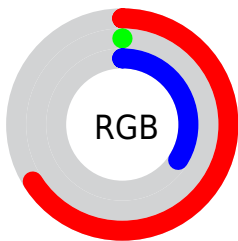
Format	Color
R_{YB}	168, 0, 86
Decimal	11010134
CIE Lab	36.00, 62.48, 0.33
CIE LCh	36, 62.483, 0.303
Yxy	9.0082, 0.4890, 0.2460
Android (android.graphics.Color)	4289200214 (0xFFA80056)
YUV	60.0360, 12.8003, 94.6844
Hunter-Lab	30.0136, 53.9563, 1.8472

Details

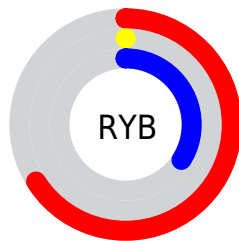
The CIELCh color **36, 62.483, 0.303** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **61, 65.930, 148.639**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 62.060, 0.732**, and **22, 45.312, 11.154** is the 20% darker color. If you saturate the color by 10%, you get **36, 62.291, 0.392**, and if you desaturate by 10%, it is **37, 60.930, 356.837**.

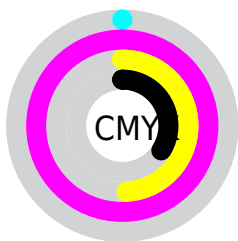
Distribution



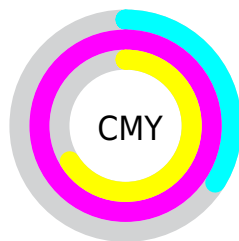
- Red (66%)
- Green (0%)
- Blue (34%)



- Red (66%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (34%)



- Cyan (34%)
- Magenta (100%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 62.483, 0.303 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, 62.483, 0.303 by changing the saturation by 10% instead.

 36, 62.483, 0.303

 36, 62.483, 0.303

 100, 62.483, 0.303

 26, 62.483, 0.303

 56, 62.483, 0.303

 16, 62.483, 0.303

 66, 62.483, 0.303

 6, 62.483, 0.303

 76, 62.483, 0.303

 0, 62.483, 0.303


 86, 62.483, 0.303

 96, 62.483, 0.303

 36, 62.483, 0.303

 36, 62.483, 0.303

 36, 62.291, 0.392

 37, 60.930,
356.837

■ 39, 58.220,
353.873

■ 41, 53.753,
351.520

■ 44, 47.770,
349.627

■ 47, 40.663,
348.069

■ 51, 32.839,
346.754

■ 55, 24.645,
345.615

■ 60, 16.336,
344.608

■ 64, 8.087, 343.691

Harmonies

Complementary

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



36, 62.483, 0.303



61, 65.930, 148.639

Rectangle

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



36, 62.483, 0.303



36, 62.483, 50.303



36, 62.483, 180.303



36, 62.483, 230.303

Sweetspot

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



36, 62.291, 0.392



71, 30.565, 345.674



26, 91.688, 311.603



35, 20.832, 346.118



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, 62.291, 0.392



47, 75.732, 1.220



35, 75.774, 39.188



33, 4.572, 343.627



31, 56.703, 359.916



2, 7.862, 346.880

Inverse Universe

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



36, 62.291, 0.392



47, 75.732, 1.220



62, 37.178, 193.877



33, 4.572, 343.627



31, 56.703, 359.916



2, 7.862, 346.880

Previews

White Background



This preview shows how the CIELCh color 36, 62.483, 0.303 looks on a white background.

Color Contrast Check

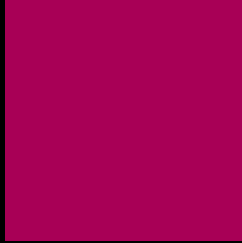
Large Text (above 18pt) WCAG AA ✓ Pass

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, 62.483, 0.303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

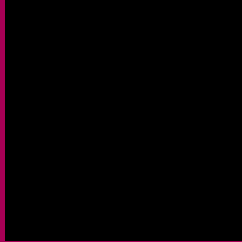
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 62.483, 0.303

Background



This preview shows how black text looks on a background with the CIELCh color 36, 62.483, 0.303.



This preview shows how white text looks on a background with the CIELCh color 36, 62.483, 0.303.

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, 62.175, 0.551

Protanopia
37, 24.188, 285.838

Deuteranopia
37, 7.293, 50.339



Tritanopia
37, 62.625, 33.306

Trichromacy



Original Color
36, 62.175, 0.551

Protanomaly
32, 39.867, 326.405

Deuteranomaly
33, 33.703, 356.317

Tritanomaly
36, 60.672, 21.331

Monochromacy



Original Color
36, 62.175, 0.551

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 32.053, 348.683

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 62.483, 0.303 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, 0, 86)` looks like.

```
.text, #text, p{  
  color:rgb(168, 0, 86)  
}
```

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, 0, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 86) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 62.483, 0.303 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, 0, 86) }
```

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

```
.border{ border-color:rgb(168, 0, 86) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 86);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 86)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 62.483, 0.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 86) }
```

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

```
.background{ background-color: rgb(168, 0,  
86) }
```

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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