

Converting Colors

CIELCh(36, 62.816, 357.353)

Have a look what the booklet for
CIELCh(36, 62.816, 357.353)
contains.

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Color

CIELCh(36, 62.640, 357.805)

Conversions

Conversions Part 1

Format	Color
Hex	A8005B
RGB	168, 0, 91
RGB Percent	66%, 0%, 36%
CMY	0.3428, 1.0000, 0.6444
CMYK	0.00, 1.00, 0.46, 0.34
HSL	328°, 100%, 33%
HSV	328°, 100%, 66%
XYZ	17.9249, 9.0082, 10.6170
YIQ	60.6060, 70.9170, 63.9170

Conversions

Conversions Part 2

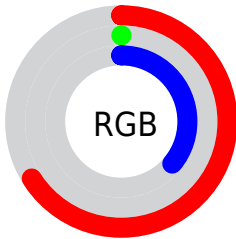
Format	Color
R_{YB}	168, 0, 91
Decimal	11010139
CIE _{Lab}	36.00, 62.59, -2.40
CIE _{LCh}	36, 62.640, 357.805
Yxy	9.0082, 0.4774, 0.2399
Android (android.graphics.Color)	4289200219 (0xFFA8005B)
YUV	60.6060, 14.9842, 94.1845
Hunter-Lab	30.0136, 54.0811, 0.0363

Details

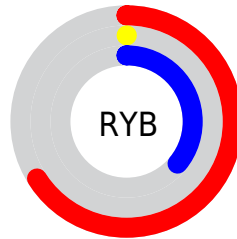
The CIELCh color **36, 62.640, 357.805** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **60, 67.501, 147.355**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 62.724, 357.722**, and **22, 45.443, 7.314** is the 20% darker color. If you saturate the color by 10%, you get **36, 62.517, 357.856**, and if you desaturate by 10%, it is **37, 61.294, 354.580**.

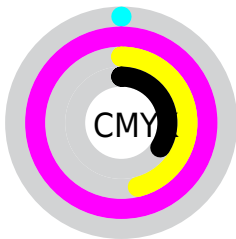
Distribution



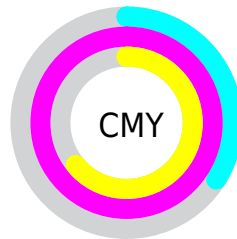
- Red (66%)
- Green (0%)
- Blue (36%)



- Red (66%)
- Yellow (0%)
- Blue (36%)



- Cyan (0%)
- Magenta (100%)
- Yellow (46%)
- Black (34%)





- Cyan (34%)
- Magenta (100%)
- Yellow (64%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 36, 62.640, 357.805 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, 62.640, 357.805 by changing the saturation by 10% instead.


 36, 62.640,
357.805


 36, 62.640,
357.805

 100, 62.640,
357.805


 26, 62.640,
357.805

 56, 62.640,
357.805


 16, 62.640,
357.805


 66, 62.640,
357.805

 6, 62.640, 357.805

 76, 62.640,
357.805

 0, 62.640, 357.805

 86, 62.640,
357.805

 96, 62.640,
357.805

■ 36, 62.640,
357.805

■ 36, 62.640,
357.805

■ 36, 62.517,
357.856

■ 37, 61.294,
354.580

■ 39, 58.669,
351.848

■ 41, 54.241,
349.669

■ 44, 48.260,
347.906

■ 47, 41.125,
346.443

■ 51, 33.246,
345.197

■ 55, 24.974,
344.111

■ 60, 16.568,

343.143

■ 64, 8.208, 342.255

Harmonies

Complementary

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



36, 62.640, 357.805



60, 67.501, 147.355

Rectangle

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



36, 62.640, 357.805



36, 62.640, 47.805



36, 62.640, 177.805



36, 62.640, 227.805

Sweetspot

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



36, 62.517, 357.856



70, 30.791, 344.166



25, 92.029, 310.901



35, 21.178, 344.593



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, 62.517, 357.856



47, 75.549, 358.605



35, 74.160, 37.792



33, 4.658, 342.193



31, 57.112, 357.432



2, 7.993, 345.475

Inverse Universe

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



36, 62.517, 357.856



47, 75.549, 358.605



62, 38.143, 189.057



33, 4.658, 342.193



31, 57.112, 357.432



2, 7.993, 345.475

Previews

White Background



This preview shows how the CIELCh color 36, 62.640, 357.805 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, 62.640, 357.805 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, 62.640, 357.805

Background



This preview shows how black text looks on a background with the CIELCh color 36, 62.640, 357.805.

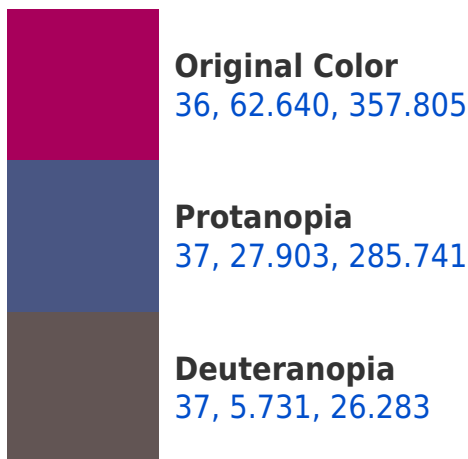


This preview shows how white text looks on a background with the CIELCh color 36, 62.640, 357.805.

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





Tritanopia
37, 61.266, 32.822

Trichromacy



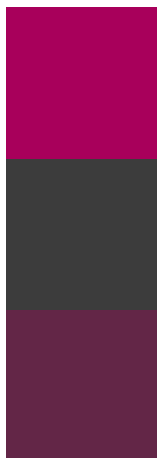
Original Color
36, 62.640, 357.805

Protanomaly
32, 41.959, 322.547

Deuteranomaly
33, 34.173, 351.925

Tritanomaly
36, 59.644, 19.597

Monochromacy



Original Color
36, 62.640, 357.805

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 32.326, 347.670

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 62.640, 357.805 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, 91)` looks like.

```
.text, #text, p{  
    color:rgb(168, 0, 91)  
}
```

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, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 91) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 62.640, 357.805 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, 91) }
```

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

```
.border{ border-color:rgb(168, 0, 91) }
```

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, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 91);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 91)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 62.640, 357.805 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, 91) }
```

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

```
.background{ background-color: rgb(168, 0,  
91) }
```

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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