

Converting Colors

CIELCh(37, 60.213, 0.869)

Have a look what the booklet for
CIELCh(37, 60.213, 0.869) contains.

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Color

CIELCh(37, 60.213, 0.869)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | A91258 |
| RGB | 169, 18, 88 |
| RGB Percent | 66%, 7%, 35% |
| CMY | 0.3380, 0.9307, 0.6555 |
| CMYK | 0.00, 0.90, 0.48, 0.34 |
| HSL | 332°, 81%, 37% |
| HSV | 332°, 90%, 66% |
| XYZ | 18.2879, 9.5379, 10.0769 |
| YIQ | 71.1290, 67.5260, 53.7820 |

Conversions

Conversions Part 2

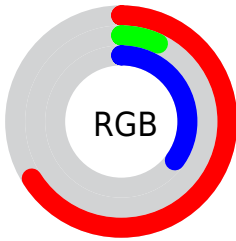
| Format | Color |
|-------------------------------------|-----------------------------|
| R_{YB} | 169, 18, 88 |
| Decimal | 11080280 |
| CIE Lab | 37.00, 60.21, 0.91 |
| CIE LCh | 37, 60.213, 0.869 |
| Yxy | 9.5379, 0.4825, 0.2516 |
| Android (android.graphics.Color) | 4289270360 (0xFFA91258) |
| YUV | 71.1290, 8.3174, 85.8329 |
| Hunter-Lab | 30.8835, 51.6536, 2.2729 |

Details

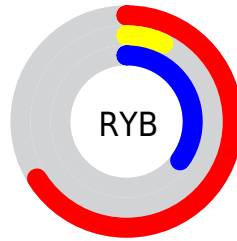
The CIELCh color **37, 60.213, 0.869** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **61, 58.722, 153.445**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 60.225, 0.676**, and **22, 45.839, 10.230** is the 20% darker color. If you saturate the color by 10%, you get **36, 61.926, 4.890**, and if you desaturate by 10%, it is **39, 57.206, 357.533**.

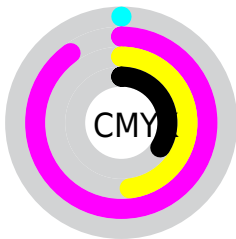
Distribution



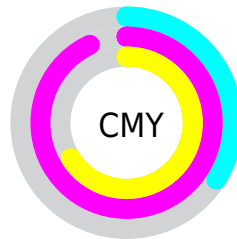
- Red (66%)
- Green (7%)
- Blue (35%)



- Red (66%)
- Yellow (7%)
- Blue (35%)



- Cyan (0%)
- Magenta (90%)
- Yellow (48%)
- Black (34%)



- Cyan (34%)
- Magenta (93%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 60.213, 0.869 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 37, 60.213, 0.869 by changing the saturation by 10% instead.

 37, 60.213, 0.869  37, 60.213, 0.869

 100, 60.213, 0.869  27, 60.213, 0.869


 57, 60.213, 0.869  17, 60.213, 0.869



 67, 60.213, 0.869  7, 60.213, 0.869

 77, 60.213, 0.869  0, 60.213, 0.869

 87, 60.213, 0.869

 97, 60.213, 0.869

 37, 60.213, 0.869  37, 60.213, 0.869

 36, 61.926, 4.890  39, 57.206,
357.533

 36, 62.010, 5.081

41, 52.557,
354.893

44, 46.491,
352.786

47, 39.393,
351.071

51, 31.654,
349.641

56, 23.606,
348.418

60, 15.491,
347.347

65, 7.470, 346.380

69, 0.358, 166.615

Harmonies

Complementary

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



37, 60.213, 0.869



61, 58.722, 153.445

Rectangle

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



37, 60.213, 0.869



37, 60.213, 50.869



37, 60.213, 180.869



37, 60.213, 230.869

Sweetspot

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



37, 60.210, 0.870



72, 26.674, 348.188



29, 86.359, 313.256



36, 17.978, 348.555



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



37, 60.210, 0.870



47, 75.340, 6.006



36, 70.141, 37.488



33, 4.424, 346.357



31, 56.288, 4.530



2, 7.646, 349.435

Inverse Universe

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



37, 60.210, 0.870



47, 75.340, 6.006



61, 34.586, 201.309



33, 4.424, 346.357



31, 56.288, 4.530



2, 7.646, 349.435

Previews

White Background



This preview shows how the CIELCh color 37, 60.213, 0.869 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 37, 60.213, 0.869 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

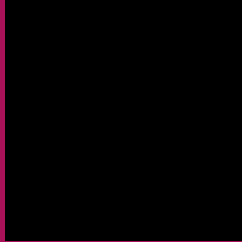
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 37, 60.213, 0.869

Background



This preview shows how black text looks on a background with the CIELCh color 37, 60.213, 0.869.



This preview shows how white text looks on a background with the CIELCh color 37, 60.213, 0.869.

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

37, 60.213, 0.869

Protanopia

38, 22.897, 285.039

Deuteranopia

38, 6.958, 46.163



Tritanopia
37, 60.709, 32.461

Trichromacy



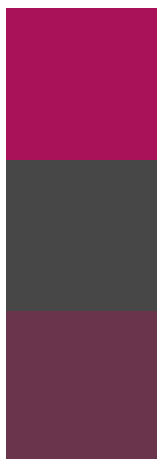
Original Color
37, 60.213, 0.869

Protanomaly
34, 35.371, 326.660

Deuteranomaly
35, 30.343, 359.319

Tritanomaly
37, 58.470, 21.257

Monochromacy



Original Color
37, 60.213, 0.869

Achromatopsia
30, 0.005, 296.813

Achromatomaly
30, 28.021, 351.650

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 60.213, 0.869 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, 18, 88)` looks like.

```
.text, #text, p{  
  color:rgb(169, 18, 88)  
}
```

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, 18, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 18, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 60.213, 0.869 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, 18, 88) }
```

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

```
.border{ border-color:rgb(169, 18, 88) }
```

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

Here you see how a box with a 4 pixel rgb(169, 18, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 18, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 18, 88);  
box-shadow:4px 4px 4px 4px rgb(169, 18,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 60.213, 0.869 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 18, 88) }
```

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

```
.background{ background-color: rgb(169, 18,  
88) }
```

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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