

Converting Colors

CIELCh(37, 59.982, 0.464)

Have a look what the booklet for
CIELCh(37, 59.982, 0.464) contains.

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Color

CIELCh(37, 59.787, 0.652)

Conversions

Conversions Part 1

Format	Color
Hex	A81358
RGB	168, 19, 88
RGB Percent	66%, 7%, 35%
CMY	0.3403, 0.9238, 0.6542
CMYK	0.00, 0.88, 0.48, 0.34
HSL	332°, 79%, 37%
HSV	332°, 88%, 66%
XYZ	18.2076, 9.5379, 10.1549
YIQ	71.4170, 66.6550, 53.0470

Conversions

Conversions Part 2

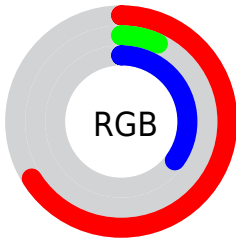
Format	Color
R_{YB}	168, 19, 88
Decimal	11015000
CIE Lab	37.00, 59.78, 0.68
CIE LCh	37, 59.787, 0.652
Yxy	9.5379, 0.4804, 0.2517
Android (android.graphics.Color)	4289205080 (0xFFA81358)
YUV	71.4170, 8.1754, 84.7033
Hunter-Lab	30.8835, 51.1897, 2.1231

Details

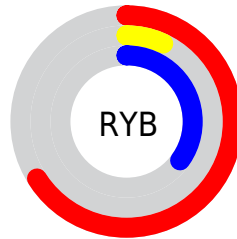
The CIELCh color **37, 59.787, 0.652** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **61, 57.991, 153.800**, and the grayscale version is **30, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 59.920, 0.437**, and **22, 45.524, 9.845** is the 20% darker color. If you saturate the color by 10%, you get **36, 61.573, 4.650**, and if you desaturate by 10%, it is **39, 56.596, 357.384**.

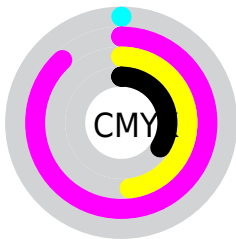
Distribution



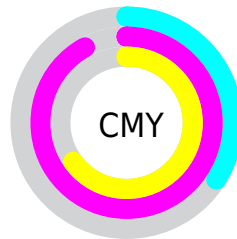
- Red (66%)
- Green (7%)
- Blue (35%)



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



- Cyan (0%)
- Magenta (88%)
- Yellow (48%)
- Black (34%)



- Cyan (34%)
- Magenta (92%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 59.787, 0.652 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, 59.787, 0.652 by changing the saturation by 10% instead.

 37, 59.787, 0.652  37, 59.787, 0.652

 100, 59.787, 0.652  27, 59.787, 0.652

 57, 59.787, 0.652  17, 59.787, 0.652



 67, 59.787, 0.652  7, 59.787, 0.652

 77, 59.787, 0.652  0, 59.787, 0.652

 87, 59.787, 0.652

 97, 59.787, 0.652

 37, 59.787, 0.652  37, 59.787, 0.652

 36, 61.573, 4.650  39, 56.596,
357.384

 36, 61.847, 5.278

■ 41, 51.784,
354.798

■ 44, 45.603,
352.730

■ 48, 38.438,
351.044

■ 52, 30.679,
349.634

■ 56, 22.643,
348.426

■ 60, 14.563,
347.367

■ 65, 6.592, 346.404

■ 70, 1.179, 165.935

Harmonies

Complementary

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



37, 59.787, 0.652



61, 57.991, 153.800

Rectangle

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



37, 59.787, 0.652



37, 59.787, 50.652



37, 59.787, 180.652



37, 59.787, 230.652

Sweetspot

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



37, 59.784, 0.653



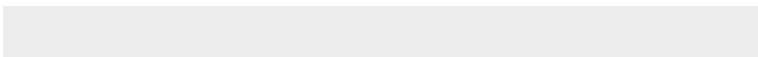
72, 26.640, 348.319



29, 85.560, 313.295



36, 17.955, 348.687



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, 59.784, 0.653



47, 75.337, 6.221



36, 69.221, 37.175



33, 4.418, 346.483



31, 56.280, 4.738



2, 7.637, 349.552

Inverse Universe

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



37, 59.784, 0.653



47, 75.337, 6.221



61, 34.411, 201.269



33, 4.418, 346.483



31, 56.280, 4.738



2, 7.637, 349.552

Previews

White Background



This preview shows how the CIELCh color 37, 59.787, 0.652 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, 59.787, 0.652 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, 59.787, 0.652

Background



This preview shows how black text looks on a background with the CIELCh color 37, 59.787, 0.652.



This preview shows how white text looks on a background with the CIELCh color 37, 59.787, 0.652.

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, 59.787, 0.652

Protanopia

38, 22.938, 284.225

Deuteranopia

38, 6.958, 46.163



Tritanopia
37, 60.435, 31.979

Trichromacy



Original Color
37, 59.787, 0.652

Protanomaly
34, 35.015, 325.440

Deuteranomaly
35, 29.930, 358.784

Tritanomaly
37, 58.304, 20.676

Monochromacy



Original Color
37, 59.787, 0.652

Achromatopsia
31, 0.005, 296.813

Achromatomaly
30, 27.650, 350.971

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 59.787, 0.652 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, 19, 88)` looks like.

```
.text, #text, p{  
  color:rgb(168, 19, 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(168, 19, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 19, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 59.787, 0.652 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, 19, 88) }
```

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

```
.border{ border-color:rgb(168, 19, 88) }
```

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

Here you see how a box with a 4 pixel rgb(168, 19, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 19, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 19, 88);  
box-shadow:4px 4px 4px 4px rgb(168, 19,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 59.787, 0.652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 19, 88) }
```

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

```
.background{ background-color: rgb(168, 19,  
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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