

Converting Colors

CIELCh(37, 66.951, 46.969)

Have a look what the booklet for
CIELCh(37, 66.951, 46.969) contains.

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Color

CIELCh(37, 67.008, 46.864)

Conversions

Conversions Part 1

Format	Color
Hex	A12E01
RGB	161, 46, 1
RGB Percent	63%, 18%, 0%
CMY	0.3685, 0.8195, 0.9960
CMYK	0.00, 0.71, 0.99, 0.37
HSL	17°, 99%, 32%
HSV	17°, 99%, 63%
XYZ	15.6868, 9.5379, 1.0434
YIQ	75.2550, 82.9850, 10.3850

Conversions

Conversions Part 2

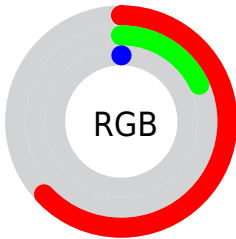
Format	Color
RYB	161, 64, 1
Decimal	10563073
CIELab	37.00, 45.82, 48.90
CIElCh	37, 67.008, 46.864
Yxy	9.5379, 0.5972, 0.3631
Android (android.graphics.Color)	4288753153 (0xFFA12E01)
YUV	75.2550, -36.6077, 75.1984
Hunter-Lab	30.8835, 36.6200, 19.6153

Details

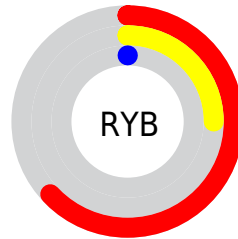
The CIELCh color **37, 67.008, 46.864** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **46, 33.511, 251.706**, and the grayscale version is **32, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 66.965, 46.923**, and **19, 49.640, 35.697** is the 20% darker color. If you saturate the color by 10%, you get **37, 67.445, 46.897**, and if you desaturate by 10%, it is **39, 60.543, 47.246**.

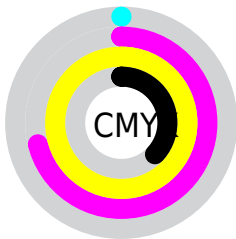
Distribution



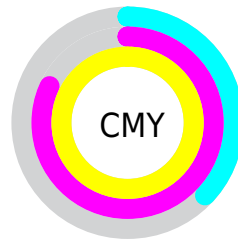
- Red (63%)
- Green (18%)
- Blue (0%)



- Red (63%)
- Yellow (25%)
- Blue (0%)



- Cyan (0%)
- Magenta (71%)
- Yellow (99%)
- Black (37%)



- Cyan (37%)
- Magenta (82%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 67.008, 46.864 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, 67.008, 46.864 by changing the saturation by 10% instead.

■ 37, 67.008, 46.864

■ 37, 67.008, 46.864

■ 100, 67.008,
46.864

■ 27, 67.008, 46.864

■ 57, 67.008, 46.864

■ 17, 67.008, 46.864

■ 67, 67.008, 46.864

■ 7, 67.008, 46.864

■ 77, 67.008, 46.864

■ 0, 67.008, 46.864

■ 87, 67.008, 46.864

■ 97, 67.008, 46.864

■ 37, 67.008, 46.864

■ 37, 67.008, 46.864

■ 37, 67.445, 46.897

■ 39, 60.543, 47.246

41, 53.117, 47.383

44, 45.225, 47.292

47, 37.434, 47.229

50, 29.996, 47.282

53, 23.012, 47.470

56, 16.508, 47.780

59, 10.472, 48.185

63, 4.876, 48.638

Harmonies

Complementary

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



37, 67.008, 46.864



46, 33.511, 251.706

Rectangle

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



37, 67.008, 46.864



37, 67.008, 96.864



37, 67.008, 226.864



37, 67.008, 276.864

Sweetspot

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



37, 67.006, 46.866



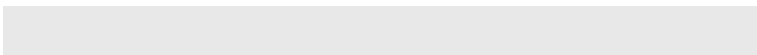
71, 20.958, 47.737



36, 66.971, 342.214



36, 14.492, 47.607



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



37, 67.006, 46.866



48, 82.465, 46.299



54, 59.678, 85.241



33, 2.976, 48.642



33, 62.275, 47.102



2, 4.522, 45.998

Inverse Universe

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



46, 33.511, 251.706



59, 41.130, 253.004



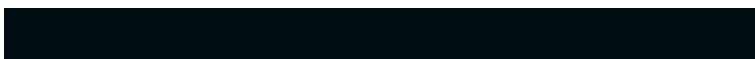
24, 78.595, 300.800



33, 2.829, 229.947



41, 31.088, 251.515



3, 4.476, 236.202

Previews

White Background



This preview shows how the CIELCh color 37, 67.008, 46.864 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, 67.008, 46.864 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, 67.008, 46.864

Background



This preview shows how black text looks on a background with the CIELCh color 37, 67.008, 46.864.



This preview shows how white text looks on a background with the CIELCh color 37, 67.008, 46.864.

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, 67.008, 46.864

Protanopia

38, 39.756, 96.376

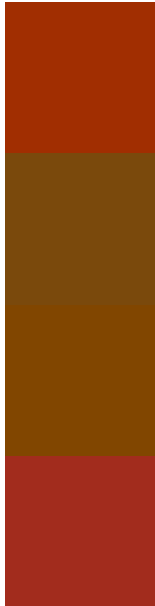
Deuteranopia

37, 45.686, 85.013



Tritanopia
37, 56.061, 30.089

Trichromacy



Original Color
37, 67.008, 46.864

Protanomaly
36, 44.326, 68.507

Deuteranomaly
36, 50.430, 65.412

Tritanomaly
37, 60.389, 38.146

Monochromacy



Original Color
37, 67.008, 46.864

Achromatopsia
32, 0.005, 296.813

Achromatomaly
32, 23.940, 46.738

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 67.008, 46.864 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(161, 46, 1)` looks like.

```
.text, #text, p{  
    color:rgb(161, 46, 1)  
}
```

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(161, 46, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 46, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 67.008, 46.864 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(161, 46, 1) }
```

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

```
.border{ border-color:rgb(161, 46, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 46, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 46, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 46, 1);  
box-shadow:4px 4px 4px 4px rgb(161, 46, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 67.008, 46.864 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 46, 1) }
```

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

```
.background{ background-color: rgb(161, 46,  
1) }
```

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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