

Converting Colors

CIELCh(36, 71.890, 37.224)

Have a look what the booklet for
CIELCh(36, 71.890, 37.224) contains.

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Color

CIELCh(36, 71.725, 37.292)

Conversions

Conversions Part 1

Format	Color
Hex	AA1110
RGB	170, 17, 16
RGB Percent	67%, 7%, 6%
CMY	0.3328, 0.9323, 0.9368
CMYK	0.00, 0.90, 0.91, 0.33
HSL	0°, 83%, 37%
HSV	0°, 91%, 67%
XYZ	16.9072, 9.0082, 1.3420
YIQ	62.6330, 91.5090, 32.1250

Conversions

Conversions Part 2

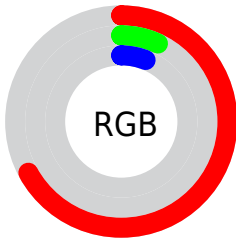
Format	Color
R_{YB}	170, 17, 16
Decimal	11145488
CIE _{Lab}	36.00, 57.06, 43.46
CIE _{LCh}	36, 71.725, 37.292
Yxy	9.0082, 0.6203, 0.3305
Android (android.graphics.Color)	4289335568 (0xFFAA1110)
YUV	62.6330, -22.9901, 94.1609
Hunter-Lab	30.0136, 48.0284, 18.3585

Details

The CIELCh color **36, 71.725, 37.292** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **63, 36.022, 197.497**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 71.405, 37.262**, and **21, 53.064, 36.672** is the 20% darker color. If you saturate the color by 10%, you get **35, 76.998, 39.982**, and if you desaturate by 10%, it is **38, 64.515, 33.945**.

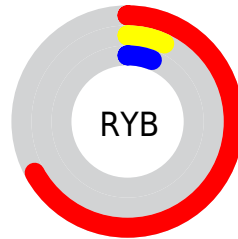
Distribution



Red (67%)

Green (7%)

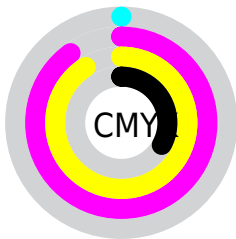
Blue (6%)



Red (67%)

Yellow (7%)

Blue (6%)

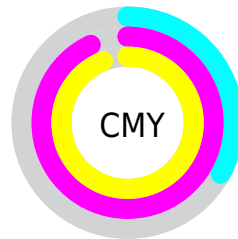


Cyan (0%)

Magenta (90%)

Yellow (91%)

Black (33%)



Cyan (33%)

Magenta (93%)

Yellow (94%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 71.725, 37.292 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, 71.725, 37.292 by changing the saturation by 10% instead.

 36, 71.725, 37.292

 36, 71.725, 37.292

 100, 71.725,
37.292

 26, 71.725, 37.292

 56, 71.725, 37.292

 16, 71.725, 37.292

 66, 71.725, 37.292

 6, 71.725, 37.292

 76, 71.725, 37.292

 0, 71.725, 37.292

 86, 71.725, 37.292

 96, 71.725, 37.292

 36, 71.725, 37.292

 36, 71.725, 37.292

 35, 76.998, 39.982

 38, 64.515, 33.945

40, 56.181, 30.628

43, 47.420, 27.802

47, 38.614, 25.549

51, 30.025, 23.803

55, 21.832, 22.462

60, 14.137, 21.428

64, 6.975, 20.606

69, 0.341, 18.630

Harmonies

Complementary

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



36, 71.725, 37.292



63, 36.022, 197.497

Rectangle

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



36, 71.725, 37.292



36, 71.725, 87.292



36, 71.725, 217.292



36, 71.725, 267.292

Sweetspot

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



36, 71.722, 37.294



72, 23.688, 22.119



41, 83.312, 328.151



36, 16.288, 22.492



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



36, 71.722, 37.294



46, 94.036, 40.063



48, 58.478, 63.041



33, 3.696, 20.511



30, 68.923, 39.477



1, 6.529, 19.945

Inverse Universe

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



63, 36.022, 197.497



80, 44.624, 197.562



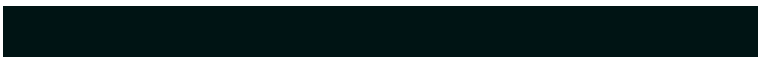
39, 47.988, 279.638



35, 3.489, 199.643



55, 33.038, 197.527



5, 6.501, 200.315

Previews

White Background



This preview shows how the CIELCh color 36, 71.725, 37.292 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, 71.725, 37.292 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, 71.725, 37.292

Background



This preview shows how black text looks on a background with the CIELCh color 36, 71.725, 37.292.



This preview shows how white text looks on a background with the CIELCh color 36, 71.725, 37.292.

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, 71.725, 37.292

Protanopia

37, 33.689, 96.012

Deuteranopia

37, 45.039, 84.673



Tritanopia
36, 72.591, 38.481

Trichromacy



Original Color
36, 71.725, 37.292

Protanomaly
34, 41.397, 54.486

Deuteranomaly
34, 51.102, 55.770

Tritanomaly
36, 72.355, 38.227

Monochromacy



Original Color
36, 71.725, 37.292

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 27.877, 25.447

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 71.725, 37.292 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(170, 17, 16)` looks like.

```
.text, #text, p{  
    color:rgb(170, 17, 16)  
}
```

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(170, 17, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 17, 16) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 71.725, 37.292 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(170, 17, 16) }
```

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

```
.border{ border-color:rgb(170, 17, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 17, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 17, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 17, 16);  
box-shadow:4px 4px 4px 4px rgb(170, 17,  
16) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 71.725, 37.292 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 17, 16) }
```

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

```
.background{ background-color: rgb(170, 17,  
16) }
```

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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