

Converting Colors

CIELCh(36, 43.861, 87.676)

Have a look what the booklet for
CIELCh(36, 43.861, 87.676) contains.

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Color

CIELCh(36, 43.862, 87.770)

Conversions

Conversions Part 1

Format	Color
Hex	685201
RGB	104, 82, 1
RGB Percent	41%, 32%, 0%
CMY	0.5916, 0.6779, 0.9955
CMYK	0.00, 0.21, 0.99, 0.59
HSL	47°, 98%, 21%
HSV	47°, 99%, 41%
XYZ	8.7591, 9.0082, 1.3098
YIQ	79.3440, 39.1130, -20.5270

Conversions

Conversions Part 2

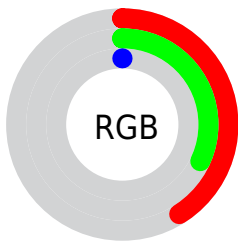
Format	Color
RYB	29, 104, 1
Decimal	6836737
CIELab	36.00, 1.71, 43.83
CIELCh	36, 43.862, 87.770
Yxy	9.0082, 0.4591, 0.4722
Android (android.graphics.Color)	4285026817 (0xFF685201)
YUV	79.3440, -38.6236, 21.6233
Hunter-Lab	30.0136, -0.4310, 18.4220

Details


The CIELCh color **36, 43.862, 87.770** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 56.147, 300.178**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 43.977, 87.596**, and **16, 23.585, 84.632** is the 20% darker color. If you saturate the color by 10%, you get **36, 44.196, 87.641**, and if you desaturate by 10%, it is **37, 41.171, 89.075**.

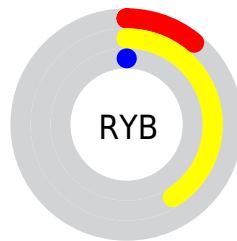
Distribution



 Red (41%)

 Green (32%)

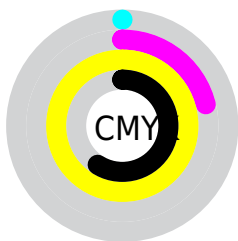
 Blue (0%)




 Red (11%)

 Yellow (41%)

 Blue (0%)

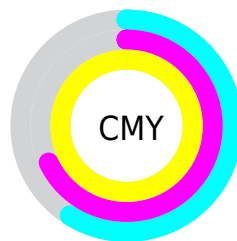


 Cyan (0%)


 Magenta (21%)

 Yellow (99%)

 Black (59%)



 Cyan (59%)

 Magenta (68%)

 Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 43.862, 87.770 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, 43.862, 87.770 by changing the saturation by 10% instead.

■ 36, 43.862, 87.770

■ 36, 43.862, 87.770

■ 100, 43.862,
87.770

■ 26, 43.862, 87.770

■ 56, 43.862, 87.770

■ 16, 43.862, 87.770

■ 66, 43.862, 87.770

■ 6, 43.862, 87.770

■ 76, 43.862, 87.770

■ 0, 43.862, 87.770

■ 86, 43.862, 87.770

■ 96, 43.862, 87.770

■ 36, 43.862, 87.770

■ 36, 43.862, 87.770

■ 36, 44.196, 87.641

■ 37, 41.171, 89.075

■ 37, 37.988, 90.379

■ 38, 33.960, 91.623

■ 39, 29.408, 92.836

■ 40, 24.561, 94.031

■ 41, 19.569, 95.208

■ 41, 14.520, 96.365

■ 42, 9.466, 97.496

■ 43, 4.437, 98.588

Harmonies

Complementary

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



36, 43.862, 87.770



13, 56.147, 300.178

Rectangle

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



36, 43.862, 87.770



36, 43.862, 137.770



36, 43.862, 267.770



36, 43.862, 317.770

Sweetspot

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



36, 43.861, 87.772



53, 18.676, 96.143



20, 46.017, 24.444



27, 12.848, 95.786



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



36, 43.861, 87.772



46, 53.121, 87.145



40, 52.108, 118.297



21, 2.751, 98.589



40, 47.295, 87.445



80, 81.591, 86.349

Inverse Universe

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



13, 56.147, 300.178



18, 70.249, 301.253



11, 66.352, 308.503



19, 2.778, 280.589



15, 61.479, 300.760



36, 112.537, 302.428

Previews

White Background



This preview shows how the CIELCh color 36, 43.862, 87.770 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, 43.862, 87.770 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, 43.862, 87.770

Background



This preview shows how black text looks on a background with the CIELCh color 36, 43.862, 87.770.



This preview shows how white text looks on a background with the CIELCh color 36, 43.862, 87.770.

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, 43.862, 87.770

Protanopia

36, 42.363, 95.414

Deuteranopia

36, 42.812, 84.029



Tritanopia
36, 14.644, 7.245

Trichromacy



Original Color
36, 43.862, 87.770

Protanomaly
36, 42.679, 92.582

Deuteranomaly
36, 43.239, 84.826

Tritanomaly
36, 21.426, 65.724

Monochromacy



Original Color
36, 43.862, 87.770

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 18.363, 94.781

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 43.862, 87.770 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(104, 82, 1)` looks like.

```
.text, #text, p{  
    color:rgb(104, 82, 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(104, 82, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 82, 1) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 43.862, 87.770 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(104, 82, 1) }
```

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

```
.border{ border-color:rgb(104, 82, 1) }
```

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

Here you see how a box with a 4 pixel rgb(104, 82, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 82, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 82, 1);  
box-shadow:4px 4px 4px 4px rgb(104, 82, 1)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 43.862, 87.770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 82, 1) }
```

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

```
.background{ background-color: rgb(104, 82,  
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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