

Converting Colors

CIELCh(36, 65.823, 25.057)

Have a look what the booklet for
CIELCh(36, 65.823, 25.057) contains.

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Color

CIELCh(36, 65.780, 24.998)

Conversions

Conversions Part 1

Format	Color
Hex	AB072C
RGB	171, 7, 44
RGB Percent	67%, 3%, 17%
CMY	0.3285, 0.9743, 0.8268
CMYK	0.00, 0.96, 0.74, 0.33
HSL	346°, 93%, 35%
HSV	346°, 96%, 67%
XYZ	17.3725, 9.0082, 3.2214
YIQ	60.2540, 85.8670, 46.2750

Conversions

Conversions Part 2

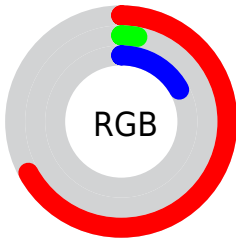
Format	Color
RYB	171, 7, 44
Decimal	11208492
CIELab	36.00, 59.62, 27.80
CIElCh	36, 65.780, 24.998
Yxy	9.0082, 0.5869, 0.3043
Android (android.graphics.Color)	4289398572 (0xFFAB072C)
YUV	60.2540, -8.0132, 97.1242
Hunter-Lab	30.0136, 50.7959, 14.6458

Details

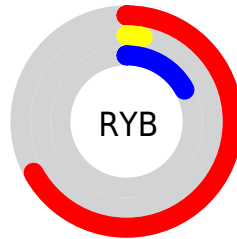
The CIELCh color **36, 65.780, 24.998** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **62, 46.973, 168.896**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 65.698, 25.186**, and **21, 53.908, 36.886** is the 20% darker color. If you saturate the color by 10%, you get **36, 67.533, 26.904**, and if you desaturate by 10%, it is **37, 61.197, 19.907**.

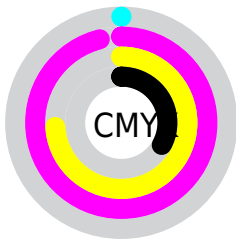
Distribution



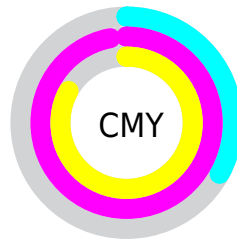
- Red (67%)
- Green (3%)
- Blue (17%)



- Red (67%)
- Yellow (3%)
- Blue (17%)



- Cyan (0%)
- Magenta (96%)
- Yellow (74%)
- Black (33%)



- Cyan (33%)
- Magenta (97%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 65.780, 24.998 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, 65.780, 24.998 by changing the saturation by 10% instead.

 36, 65.780, 24.998

 36, 65.780, 24.998

 100, 65.780,
24.998

 26, 65.780, 24.998

 56, 65.780, 24.998

 16, 65.780, 24.998

 66, 65.780, 24.998

 6, 65.780, 24.998

 76, 65.780, 24.998

 0, 65.780, 24.998

 86, 65.780, 24.998

 96, 65.780, 24.998

 36, 65.780, 24.998

 36, 65.780, 24.998

 36, 67.533, 26.904

 37, 61.197, 19.907

■ 39, 55.722, 15.576

■ 42, 49.297, 12.082

■ 45, 42.115, 9.312

■ 49, 34.480, 7.111

■ 53, 26.687, 5.340

■ 58, 18.965, 3.887

■ 62, 11.465, 2.664

■ 67, 4.272, 1.574

Harmonies

Complementary

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



36, 65.780, 24.998



62, 46.973, 168.896

Rectangle

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



36, 65.780, 24.998



36, 65.780, 74.998



36, 65.780, 204.998



36, 65.780, 254.998

Sweetspot

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



36, 65.777, 25.000



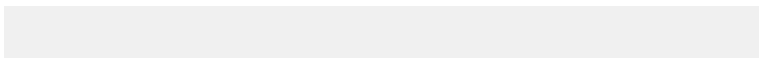
71, 26.113, 4.342



34, 86.697, 319.767



36, 18.197, 4.949



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, 65.777, 25.000



47, 82.626, 27.981



40, 68.650, 46.058



34, 3.989, 1.915



31, 61.105, 26.256



2, 8.110, 4.302

Inverse Universe

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



36, 65.777, 25.000



47, 82.626, 27.981



50, 33.959, 247.654



34, 3.989, 1.915



31, 61.105, 26.256



2, 8.110, 4.302

Previews

White Background



This preview shows how the CIELCh color 36, 65.780, 24.998 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, 65.780, 24.998 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, 65.780, 24.998

Background



This preview shows how black text looks on a background with the CIELCh color 36, 65.780, 24.998.



This preview shows how white text looks on a background with the CIELCh color 36, 65.780, 24.998.

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, 65.690, 25.081

Protanopia

37, 13.176, 95.844

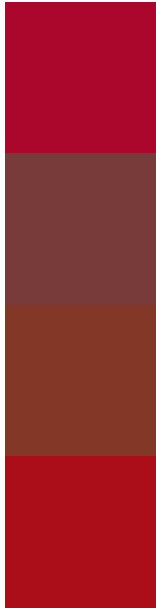
Deuteranopia

37, 31.727, 81.690



Tritanopia
36, 72.368, 38.100

Trichromacy



Original Color
36, 65.690, 25.081

Protanomaly
33, 30.282, 25.085

Deuteranomaly
33, 41.186, 40.047

Tritanomaly
36, 69.986, 34.041

Monochromacy



Original Color
36, 65.690, 25.081

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 28.463, 9.878

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 65.780, 24.998 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(171, 7, 44)` looks like.

```
.text, #text, p{  
    color:rgb(171, 7, 44)  
}
```

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(171, 7, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 7, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 65.780, 24.998 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(171, 7, 44) }
```

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

```
.border{ border-color:rgb(171, 7, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 7, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 7, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 7, 44);  
box-shadow:4px 4px 4px 4px rgb(171, 7, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 65.780, 24.998 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 7, 44) }
```

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

```
.background{ background-color: rgb(171, 7,  
44) }
```

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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