

Converting Colors

CIELCh(36, 62.195, 1.023)

Have a look what the booklet for
CIELCh(36, 62.195, 1.023) contains.

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Color

CIELCh(36, 62.102, 1.108)

Conversions

Conversions Part 1

Format	Color
Hex	A80055
RGB	168, 0, 85
RGB Percent	66%, 0%, 33%
CMY	0.3406, 0.9984, 0.6662
CMYK	0.00, 1.00, 0.49, 0.34
HSL	330°, 100%, 33%
HSV	330°, 100%, 66%
XYZ	17.8306, 9.0082, 9.4195
YIQ	59.9220, 72.8430, 62.0510

Conversions

Conversions Part 2

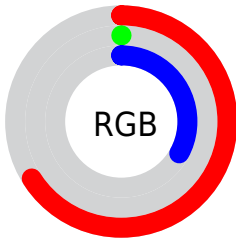
Format	Color
R_{YB}	168, 0, 85
Decimal	11010133
CIE _{Lab}	36.00, 62.09, 1.20
CIE _{LCh}	36, 62.102, 1.108
Yxy	9.0082, 0.4918, 0.2484
Android (android.graphics.Color)	4289200213 (0xFFA80055)
YUV	59.9220, 12.3635, 94.7844
Hunter-Lab	30.0136, 53.5203, 2.4019

Details

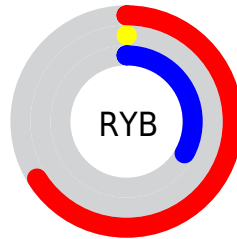
The CIELCh color **36, 62.102, 1.108** is a dark color, and the websafe version is hex **CC0066**. A complement of this color would be **61, 65.199, 149.116**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 61.969, 1.241**, and **22, 45.381, 12.003** is the 20% darker color. If you saturate the color by 10%, you get **36, 62.134, 1.198**, and if you desaturate by 10%, it is **37, 60.675, 357.476**.

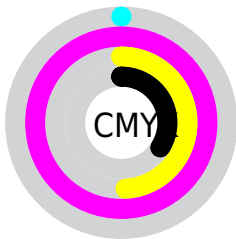
Distribution



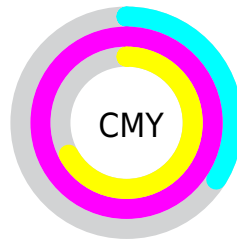
- Red (66%)
- Green (0%)
- Blue (33%)



- Red (66%)
- Yellow (0%)
- Blue (33%)



- Cyan (0%)
- Magenta (100%)
- Yellow (49%)
- Black (34%)



- Cyan (34%)
- Magenta (100%)
- Yellow (67%)

Brightness & Saturation Gradients



These gradients show how the CIELCh color 36, 62.102, 1.108 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, 62.102, 1.108 by changing the saturation by 10% instead.

 36, 62.102, 1.108  36, 62.102, 1.108

 100, 62.102, 1.108  26, 62.102, 1.108

 56, 62.102, 1.108  16, 62.102, 1.108

 66, 62.102, 1.108  6, 62.102, 1.108

 76, 62.102, 1.108  0, 62.102, 1.108

 86, 62.102, 1.108

 96, 62.102, 1.108

 36, 62.102, 1.108  36, 62.102, 1.108

 36, 62.134, 1.198  37, 60.675,
357.476

■ 39, 57.893,
354.459

■ 41, 53.376,
352.064

■ 44, 47.367,
350.140

■ 47, 40.258,
348.559

■ 51, 32.454,
347.227

■ 55, 24.294,
346.077

■ 60, 16.031,
345.060

■ 64, 7.836, 344.135

Harmonies

Complementary

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



36, 62.102, 1.108



61, 65.199, 149.116

Rectangle

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



36, 62.102, 1.108



36, 62.102, 51.108



36, 62.102, 181.108



36, 62.102, 231.108

Sweetspot

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



36, 62.099, 1.109



71, 30.405, 346.162



26, 91.501, 311.611



35, 20.726, 346.612



94, 0.011, 296.813



46, 0.006, 296.813

Same Dimension

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



36, 62.099, 1.109



47, 75.618, 2.050



35, 75.576, 39.119



33, 4.545, 344.092



31, 56.599, 0.714



2, 7.822, 347.325

Inverse Universe

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



36, 62.099, 1.109



47, 75.618, 2.050



62, 37.131, 193.884



33, 4.545, 344.092



31, 56.599, 0.714



2, 7.822, 347.325

Previews

White Background



This preview shows how the CIELCh color 36, 62.102, 1.108 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, 62.102, 1.108 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

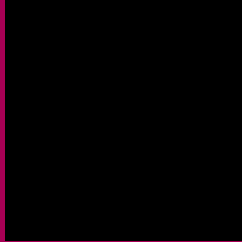
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 36, 62.102, 1.108

Background



This preview shows how black text looks on a background with the CIELCh color 36, 62.102, 1.108.



This preview shows how white text looks on a background with the CIELCh color 36, 62.102, 1.108.

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, 62.102, 1.108

Protanopia

37, 22.982, 285.142

Deuteranopia

37, 7.712, 48.650



Tritanopia
37, 62.625, 33.306

Trichromacy



Original Color
36, 62.102, 1.108

Protanomaly
32, 38.921, 327.445

Deuteranomaly
33, 33.534, 357.321

Tritanomaly
36, 60.672, 21.331

Monochromacy



Original Color
36, 62.102, 1.108

Achromatopsia
25, 0.004, 296.813

Achromatomaly
25, 31.791, 349.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 62.102, 1.108 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, 0, 85)` looks like.

```
.text, #text, p{  
  color:rgb(168, 0, 85)  
}
```

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, 0, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 0, 85) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 62.102, 1.108 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, 0, 85) }
```

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

```
.border{ border-color:rgb(168, 0, 85) }
```

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

Here you see how a box with a 4 pixel rgb(168, 0, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 0, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 0, 85);  
box-shadow:4px 4px 4px 4px rgb(168, 0, 85)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 36, 62.102, 1.108 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 0, 85) }
```

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

```
.background{ background-color: rgb(168, 0,  
85) }
```

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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