

Converting Colors

CIELCh(36, 60.184, 2.623)

Have a look what the booklet for
CIELCh(36, 60.184, 2.623) contains.

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Color

CIELCh(36, 60.163, 2.303)

Conversions

Conversions Part 1

Format	Color
Hex	A60C53
RGB	166, 12, 83
RGB Percent	65%, 5%, 33%
CMY	0.3482, 0.9548, 0.6738
CMYK	0.00, 0.93, 0.50, 0.35
HSL	332°, 87%, 35%
HSV	332°, 93%, 65%
XYZ	17.4639, 9.0082, 9.0361
YIQ	66.1400, 68.9930, 54.7290

Conversions

Conversions Part 2

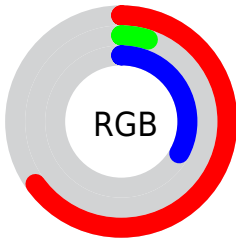
Format	Color
R_{YB}	166, 12, 83
Decimal	10882131
CIE Lab	36.00, 60.11, 2.42
CIE LCh	36, 60.163, 2.303
Yxy	9.0082, 0.4918, 0.2537
Android (android.graphics.Color)	4289072211 (0xFFA60C53)
YUV	66.1400, 8.3120, 87.5772
Hunter-Lab	30.0136, 51.3392, 3.1593

Details

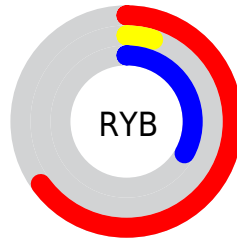
The CIELCh color **36, 60.163, 2.303** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **60, 59.325, 152.761**, and the grayscale version is **28, 0.004, 296.813**.

A 20% lighter version of the original color is **56, 59.996, 2.459**, and **21, 45.129, 12.482** is the 20% darker color. If you saturate the color by 10%, you get **35, 61.302, 5.130**, and if you desaturate by 10%, it is **37, 57.746, 358.687**.

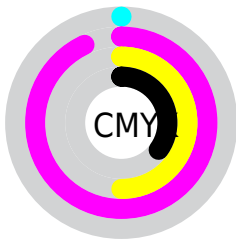
Distribution



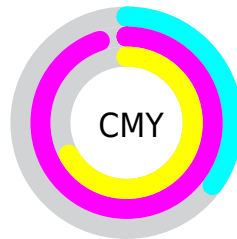
- Red (65%)
- Green (5%)
- Blue (33%)



- Red (65%)
- Yellow (5%)
- Blue (33%)



- Cyan (0%)
- Magenta (93%)
- Yellow (50%)
- Black (35%)



- Cyan (35%)
- Magenta (95%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 60.163, 2.303 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, 60.163, 2.303 by changing the saturation by 10% instead.

 36, 60.163, 2.303

 36, 60.163, 2.303

 100, 60.163, 2.303

 26, 60.163, 2.303

 56, 60.163, 2.303

 16, 60.163, 2.303

 66, 60.163, 2.303

 6, 60.163, 2.303

 76, 60.163, 2.303

 0, 60.163, 2.303

 86, 60.163, 2.303

 96, 60.163, 2.303

 36, 60.163, 2.303

 36, 60.163, 2.303

 35, 61.302, 5.130

 37, 57.746,
358.687

■ 39, 53.697,
355.821

■ 42, 48.151,
353.544

■ 46, 41.450,
351.705

■ 49, 33.990,
350.184

■ 53, 26.121,
348.895

■ 58, 18.114,
347.776

■ 62, 10.152,
346.779

■ 67, 2.353, 345.783

Harmonies

Complementary

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



36, 60.163, 2.303



60, 59.325, 152.761

Rectangle

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



36, 60.163, 2.303



36, 60.163, 52.303



36, 60.163, 182.303



36, 60.163, 232.303

Sweetspot

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



36, 60.160, 2.304



71, 27.399, 348.368



28, 86.978, 313.105



35, 19.103, 348.850



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, 60.160, 2.304



47, 74.679, 6.082



35, 71.454, 38.390



33, 4.421, 346.423



31, 56.284, 4.639



2, 7.641, 349.496

Inverse Universe

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



36, 60.160, 2.304



47, 74.679, 6.082



60, 34.416, 201.443



33, 4.421, 346.423



31, 56.284, 4.639



2, 7.641, 349.496

Previews

White Background



This preview shows how the CIELCh color 36, 60.163, 2.303 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, 60.163, 2.303 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, 60.163, 2.303

Background



This preview shows how black text looks on a background with the CIELCh color 36, 60.163, 2.303.



This preview shows how white text looks on a background with the CIELCh color 36, 60.163, 2.303.

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, 60.034, 2.371

Protanopia
37, 20.529, 284.492

Deuteranopia
37, 8.428, 55.680



Tritanopia
36, 61.815, 33.191

Trichromacy



Original Color
36, 60.034, 2.371

Protanomaly
33, 34.708, 328.512

Deuteranomaly
34, 30.703, 1.111

Tritanomaly
36, 59.419, 22.224

Monochromacy



Original Color
36, 60.034, 2.371

Achromatopsia
28, 0.004, 296.813

Achromatomaly
27, 28.788, 351.512

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 60.163, 2.303 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(166, 12, 83)` looks like.

```
.text, #text, p{  
    color:rgb(166, 12, 83)  
}
```

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(166, 12, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 12, 83) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 60.163, 2.303 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(166, 12, 83) }
```

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

```
.border{ border-color:rgb(166, 12, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 12, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 12, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 12, 83);  
box-shadow:4px 4px 4px 4px rgb(166, 12,  
83) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 60.163, 2.303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 12, 83) }
```

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

```
.background{ background-color: rgb(166, 12,  
83) }
```

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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