

Converting Colors

CIELCh(36, 59.212, 3.989)

Have a look what the booklet for
CIELCh(36, 59.212, 3.989) contains.

CIELCh(36, 59.088, 3.559)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(36, 59.088, 3.559)

Conversions

Conversions Part 1

Format	Color
Hex	A51051
RGB	165, 16, 81
RGB Percent	65%, 6%, 32%
CMY	0.3520, 0.9353, 0.6816
CMYK	0.00, 0.90, 0.51, 0.35
HSL	334°, 82%, 36%
HSV	334°, 90%, 65%
XYZ	17.2545, 9.0082, 8.6531
YIQ	67.9610, 67.9390, 51.8030

Conversions

Conversions Part 2

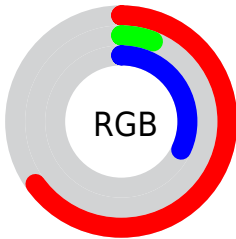
Format	Color
R_{YB}	165, 16, 81
Decimal	10817617
CIE _{Lab}	36.00, 58.97, 3.67
CIE _{LCh}	36, 59.088, 3.559
Yxy	9.0082, 0.4942, 0.2580
Android (android.graphics.Color)	4289007697 (0xFFA51051)
YUV	67.9610, 6.4282, 85.1032
Hunter-Lab	30.0136, 50.0941, 3.9159

Details

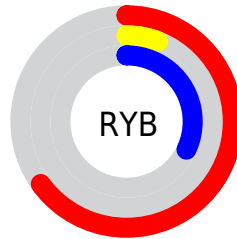
The CIELCh color **36, 59.088, 3.559** is a dark color, and the websafe version is hex **CC3366**. A complement of this color would be **60, 56.181, 155.021**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 59.133, 3.531**, and **21, 44.974, 13.826** is the 20% darker color. If you saturate the color by 10%, you get **35, 61.032, 7.814**, and if you desaturate by 10%, it is **38, 56.028, 359.969**.

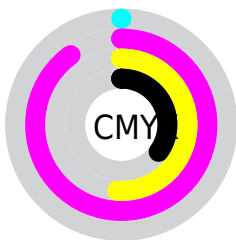
Distribution



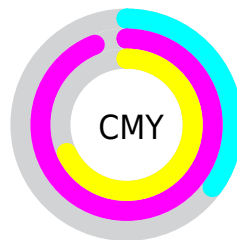
- Red (65%)
- Green (6%)
- Blue (32%)



- Red (65%)
- Yellow (6%)
- Blue (32%)



- Cyan (0%)
- Magenta (90%)
- Yellow (51%)
- Black (35%)




- Cyan (35%)
- Magenta (94%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 59.088, 3.559 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, 59.088, 3.559 by changing the saturation by 10% instead.

 36, 59.088, 3.559  36, 59.088, 3.559

 100, 59.088, 3.559  26, 59.088, 3.559


 56, 59.088, 3.559  16, 59.088, 3.559

 66, 59.088, 3.559  6, 59.088, 3.559

 76, 59.088, 3.559  0, 59.088, 3.559

 86, 59.088, 3.559

 96, 59.088, 3.559

 36, 59.088, 3.559  36, 59.088, 3.559

 35, 61.032, 7.814  38, 56.028,
359.969

40, 51.425,
357.128

43, 45.480,
354.870

46, 38.553,
353.043

50, 31.022,
351.531

54, 23.207,
350.248

59, 15.342,
349.133

63, 7.582, 348.135

68, 0.022, 330.119

Harmonies

Complementary

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



36, 59.088, 3.559



60, 56.181, 155.021

Rectangle

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



36, 59.088, 3.559



36, 59.088, 53.559



36, 59.088, 183.559



36, 59.088, 233.559

Sweetspot

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



36, 59.085, 3.560



71, 25.735, 349.952



29, 84.959, 313.671



35, 17.347, 350.329



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



36, 59.085, 3.560



46, 74.078, 8.807



35, 68.926, 37.957



32, 4.232, 348.061



30, 55.538, 7.237



1, 6.334, 349.780

Inverse Universe

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



36, 59.085, 3.560



46, 74.078, 8.807



59, 33.419, 203.936



32, 4.232, 348.061



30, 55.538, 7.237



1, 6.334, 349.780

Previews

White Background



This preview shows how the CIELCh color 36, 59.088, 3.559 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, 59.088, 3.559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

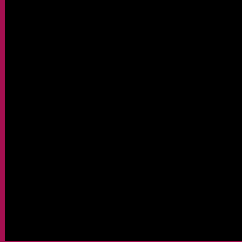
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 36, 59.088, 3.559

Background



This preview shows how black text looks on a background with the CIELCh color 36, 59.088, 3.559.



This preview shows how white text looks on a background with the CIELCh color 36, 59.088, 3.559.

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, 59.088, 3.559

Protanopia

37, 18.674, 284.248

Deuteranopia

37, 9.221, 56.931



Tritanopia
36, 60.930, 32.917

Trichromacy



Original Color
36, 59.088, 3.559

Protanomaly
33, 32.170, 331.187

Deuteranomaly
34, 29.953, 4.032

Tritanomaly
36, 58.661, 22.442

Monochromacy



Original Color
36, 59.088, 3.559

Achromatopsia
29, 0.005, 296.813

Achromatomaly
28, 27.544, 352.428

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 59.088, 3.559 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(165, 16, 81)` looks like.

```
.text, #text, p{  
    color:rgb(165, 16, 81)  
}
```

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(165, 16, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 16, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 59.088, 3.559 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(165, 16, 81) }
```

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

```
.border{ border-color:rgb(165, 16, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 16, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 16, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 16, 81);  
box-shadow:4px 4px 4px 4px rgb(165, 16,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 59.088, 3.559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 16, 81) }
```

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

```
.background{ background-color: rgb(165, 16,  
81) }
```

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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