

Converting Colors

CIELCh(36, 57.826, 23.733)

Have a look what the booklet for
CIELCh(36, 57.826, 23.733) contains.

CIELCh(36, 57.857, 23.497)	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, 57.857, 23.497)

Conversions

Conversions Part 1

Format	Color
Hex	A31F33
RGB	163, 31, 51
RGB Percent	64%, 12%, 20%
CMY	0.3607, 0.8783, 0.8000
CMYK	0.00, 0.81, 0.69, 0.36
HSL	351°, 68%, 38%
HSV	351°, 81%, 64%
XYZ	16.1956, 9.0082, 4.0184
YIQ	72.7480, 72.2520, 34.2040

Conversions

Conversions Part 2

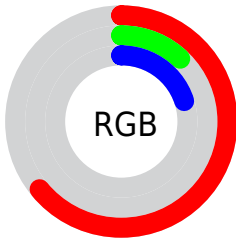
Format	Color
RYB	163, 31, 51
Decimal	10690355
CIELab	36.00, 53.06, 23.07
CIElCh	36, 57.857, 23.497
Yxy	9.0082, 0.5542, 0.3083
Android (android.graphics.Color)	4288880435 (0xFFA31F33)
YUV	72.7480, -10.7218, 79.1510
Hunter-Lab	30.0136, 43.7962, 13.0715

Details

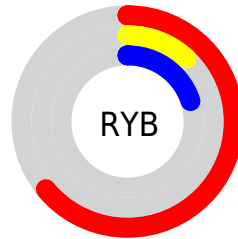
The CIELCh color **36, 57.857, 23.497** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **60, 38.531, 178.962**, and the grayscale version is **31, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 58.037, 23.469**, and **20, 49.910, 33.518** is the 20% darker color. If you saturate the color by 10%, you get **35, 63.603, 28.117**, and if you desaturate by 10%, it is **38, 51.335, 19.586**.

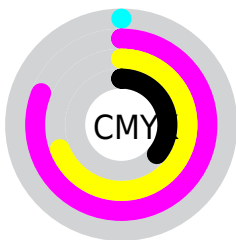
Distribution



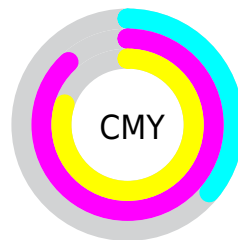
- Red (64%)
- Green (12%)
- Blue (20%)



- Red (64%)
- Yellow (12%)
- Blue (20%)



- Cyan (0%)
- Magenta (81%)
- Yellow (69%)
- Black (36%)



- Cyan (36%)
- Magenta (88%)
- Yellow (80%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 57.857, 23.497 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, 57.857, 23.497 by changing the saturation by 10% instead.

■ 36, 57.857, 23.497

■ 36, 57.857, 23.497

■ 100, 57.857,
23.497

■ 26, 57.857, 23.497

■ 56, 57.857, 23.497

■ 16, 57.857, 23.497

■ 66, 57.857, 23.497

■ 6, 57.857, 23.497

■ 76, 57.857, 23.497

■ 0, 57.857, 23.497

■ 86, 57.857, 23.497

■ 96, 57.857, 23.497

■ 36, 57.857, 23.497

■ 36, 57.857, 23.497

■ 35, 63.603, 28.117

■ 38, 51.335, 19.586

34, 68.312, 32.339

41, 44.186, 16.426

45, 36.651, 13.921

49, 28.996, 11.936

53, 21.445, 10.343

57, 14.149, 9.042

62, 7.194, 7.944

67, 0.617, 6.381

71, 5.579, 186.423

Harmonies

Complementary

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



36, 57.857, 23.497



60, 38.531, 178.962

Rectangle

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



36, 57.857, 23.497



36, 57.857, 73.497



36, 57.857, 203.497



36, 57.857, 253.497

Sweetspot

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



36, 57.854, 23.499



71, 20.221, 9.467



37, 77.170, 322.417



36, 14.126, 9.911



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, 57.854, 23.499



45, 82.011, 31.975



43, 53.615, 51.102



32, 3.697, 7.769



30, 62.469, 31.799



1, 5.586, 8.155

Inverse Universe

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



36, 57.854, 23.499



45, 82.011, 31.975



47, 32.191, 252.739



32, 3.697, 7.769



30, 62.469, 31.799



1, 5.586, 8.155

Previews

White Background



This preview shows how the CIELCh color 36, 57.857, 23.497 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, 57.857, 23.497 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, 57.857, 23.497

Background



This preview shows how black text looks on a background with the CIELCh color 36, 57.857, 23.497.



This preview shows how white text looks on a background with the CIELCh color 36, 57.857, 23.497.

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, 57.857, 23.497

Protanopia

37, 9.509, 94.788

Deuteranopia

37, 26.373, 79.119



Tritanopia
36, 60.721, 32.602

Trichromacy



Original Color
36, 57.857, 23.497

Protanomaly
34, 24.338, 26.382

Deuteranomaly
35, 34.370, 40.542

Tritanomaly
36, 59.315, 29.356

Monochromacy



Original Color
36, 57.857, 23.497

Achromatopsia
31, 0.005, 296.813

Achromatomaly
31, 22.629, 12.808

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 57.857, 23.497 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(163, 31, 51)` looks like.

```
.text, #text, p{  
    color:rgb(163, 31, 51)  
}
```

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(163, 31, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 31, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 57.857, 23.497 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(163, 31, 51) }
```

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

```
.border{ border-color:rgb(163, 31, 51) }
```

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

Here you see how a box with a 4 pixel rgb(163, 31, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 31, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 31, 51);  
box-shadow:4px 4px 4px 4px rgb(163, 31,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 57.857, 23.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 31, 51) }
```

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

```
.background{ background-color: rgb(163, 31,  
51) }
```

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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