

Converting Colors

CIELCh(33, 62.885, 23.382)

Have a look what the booklet for
CIELCh(33, 62.885, 23.382) contains.

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Color

CIELCh(33, 62.476, 23.554)

Conversions

Conversions Part 1

Format	Color
Hex	9F002A
RGB	159, 0, 42
RGB Percent	62%, 0%, 16%
CMY	0.3765, 1.0000, 0.8353
CMYK	0.00, 1.00, 0.74, 0.38
HSL	344°, 100%, 31%
HSV	344°, 100%, 62%
XYZ	14.7147, 7.5373, 2.8693
YIQ	52.3290, 81.2820, 46.7700

Conversions

Conversions Part 2

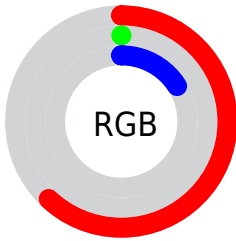
Format	Color
RYB	159, 0, 42
Decimal	10420266
CIELab	33.00, 57.27, 24.97
CIELCh	33, 62.476, 23.554
Yxy	7.5373, 0.5857, 0.3000
Android (android.graphics.Color)	4288610346 (0xFF9F002A)
YUV	52.3290, -5.0922, 93.5505
Hunter-Lab	27.4541, 47.6271, 13.0212

Details

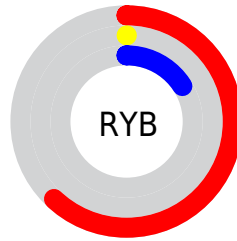
The CIELCh color **33, 62.476, 23.554** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **58, 47.228, 165.099**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 62.730, 23.570**, and **19, 49.207, 35.560** is the 20% darker color. If you saturate the color by 10%, you get **33, 62.477, 23.560**, and if you desaturate by 10%, it is **34, 58.611, 18.514**.

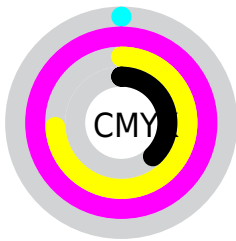
Distribution



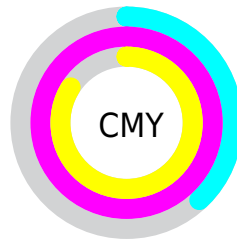
- Red (62%)
- Green (0%)
- Blue (16%)



- Red (62%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (38%)



- Cyan (38%)
- Magenta (100%)
- Yellow (84%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 62.476, 23.554 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 33, 62.476, 23.554 by changing the saturation by 10% instead.

 33, 62.476, 23.554

 33, 62.476, 23.554

 100, 62.476,
23.554

 23, 62.476, 23.554

 53, 62.476, 23.554

 13, 62.476, 23.554

 63, 62.476, 23.554

 3, 62.476, 23.554

 73, 62.476, 23.554

 0, 62.476, 23.554

 83, 62.476, 23.554

 93, 62.476, 23.554

 33, 62.476, 23.554

 33, 62.476, 23.554

 33, 62.477, 23.560

 34, 58.611, 18.514

36, 54.155, 14.001

38, 48.692, 10.348

41, 42.346, 7.447

44, 35.394, 5.142

48, 28.135, 3.286

52, 20.822, 1.763

56, 13.630, 0.484

61, 6.670, 359.373

Harmonies

Complementary

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



33, 62.476, 23.554



58, 47.228, 165.099

Rectangle

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



33, 62.476, 23.554



33, 62.476, 73.554



33, 62.476, 203.554



33, 62.476, 253.554

Sweetspot

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



33, 62.473, 23.556



66, 25.797, 1.844



30, 83.574, 318.538



33, 17.845, 2.421



92, 0.011, 296.813



44, 0.006, 296.813

Same Dimension

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



33, 62.473, 23.556



43, 76.461, 24.750



35, 68.383, 44.924



31, 3.751, 359.293



29, 57.548, 22.981



1, 4.781, 359.480

Inverse Universe

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



33, 62.473, 23.556



43, 76.461, 24.750



47, 31.526, 242.188



31, 3.751, 359.293



29, 57.548, 22.981



1, 4.781, 359.480

Previews

White Background



This preview shows how the CIELCh color 33, 62.476, 23.554 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 33, 62.476, 23.554 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

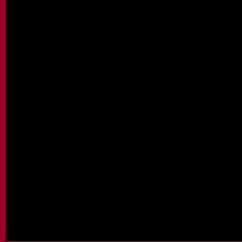
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 62.476, 23.554

Background



This preview shows how black text looks on a background with the CIELCh color 33, 62.476, 23.554.



This preview shows how white text looks on a background with the CIELCh color 33, 62.476, 23.554.

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

33, 62.476, 23.554

Protanopia

34, 11.422, 96.450

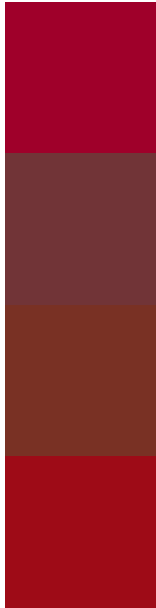
Deuteranopia

34, 29.517, 81.795



Tritanopia
33, 68.240, 38.149

Trichromacy



Original Color
33, 62.476, 23.554

Protanomaly
30, 29.336, 21.850

Deuteranomaly
30, 38.703, 37.918

Tritanomaly
33, 65.915, 33.635

Monochromacy



Original Color
33, 62.476, 23.554

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 28.441, 7.894

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 62.476, 23.554 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(159, 0, 42)` looks like.

```
.text, #text, p{  
  color:rgb(159, 0, 42)  
}
```

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(159, 0, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 0, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 62.476, 23.554 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(159, 0, 42) }
```

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

```
.border{ border-color:rgb(159, 0, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 0, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 0, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 0, 42);  
box-shadow:4px 4px 4px 4px rgb(159, 0, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 62.476, 23.554 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 0, 42) }
```

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

```
.background{ background-color: rgb(159, 0,  
42) }
```

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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