

Converting Colors

CIELCh(33, 64.020, 26.045)

Have a look what the booklet for
CIELCh(33, 64.020, 26.045) contains.

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Color

CIELCh(33, 63.967, 26.339)

Conversions

Conversions Part 1

Format	Color
Hex	A00025
RGB	160, 0, 37
RGB Percent	63%, 0%, 15%
CMY	0.3744, 1.0000, 0.8561
CMYK	0.00, 1.00, 0.77, 0.37
HSL	346°, 100%, 31%
HSV	346°, 100%, 63%
XYZ	14.7239, 7.5373, 2.4033
YIQ	52.0580, 83.4830, 45.4270

Conversions

Conversions Part 2

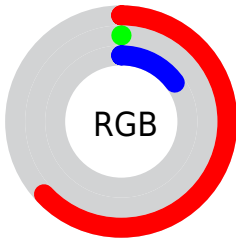
Format	Color
RYB	160, 0, 37
Decimal	10485797
CIELab	33.00, 57.33, 28.38
CIElCh	33, 63.967, 26.339
Yxy	7.5373, 0.5970, 0.3056
Android (android.graphics.Color)	4288675877 (0xFFA00025)
YUV	52.0580, -7.4236, 94.6651
Hunter-Lab	27.4541, 47.6865, 14.0278

Details

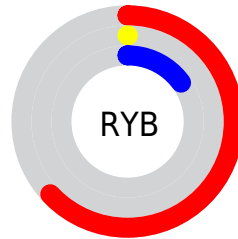
The CIELCh color **33, 63.967, 26.339** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **58, 45.348, 168.160**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 64.030, 26.095**, and **19, 49.640, 35.697** is the 20% darker color. If you saturate the color by 10%, you get **33, 63.874, 26.430**, and if you desaturate by 10%, it is **34, 59.574, 21.403**.

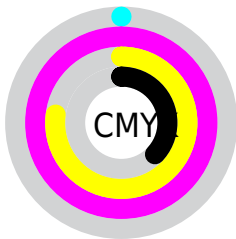
Distribution



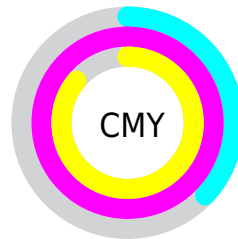
- Red (63%)
- Green (0%)
- Blue (15%)



- Red (63%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (77%)
- Black (37%)



- Cyan (37%)
- Magenta (100%)
- Yellow (86%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 63.967, 26.339 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, 63.967, 26.339 by changing the saturation by 10% instead.

 33, 63.967, 26.339

 33, 63.967, 26.339

 100, 63.967,
26.339

 23, 63.967, 26.339

 53, 63.967, 26.339

 13, 63.967, 26.339

 63, 63.967, 26.339

 3, 63.967, 26.339

 73, 63.967, 26.339

 0, 63.967, 26.339

 83, 63.967, 26.339

 93, 63.967, 26.339

 33, 63.967, 26.339

 33, 63.967, 26.339

 33, 63.874, 26.430

 34, 59.574, 21.403

■ 36, 54.732, 16.816

■ 38, 48.975, 13.068

■ 41, 42.423, 10.084

■ 44, 35.339, 7.715

■ 48, 28.010, 5.817

■ 52, 20.677, 4.269

■ 57, 13.506, 2.978

■ 61, 6.598, 1.863

Harmonies

Complementary

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



33, 63.967, 26.339



58, 45.348, 168.160

Rectangle

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



33, 63.967, 26.339



33, 63.967, 76.339



33, 63.967, 206.339



33, 63.967, 256.339

Sweetspot

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



33, 63.874, 26.430



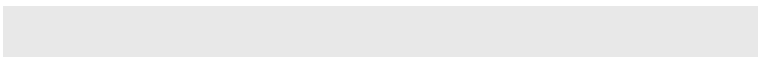
66, 25.543, 4.348



31, 83.331, 319.640



33, 17.686, 4.934



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, 63.874, 26.430



43, 78.061, 27.582



36, 67.474, 46.272



31, 3.697, 1.782



29, 58.644, 25.840



1, 4.711, 1.877

Inverse Universe

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



33, 63.874, 26.430



43, 78.061, 27.582



46, 32.748, 249.055



31, 3.697, 1.782



29, 58.644, 25.840



1, 4.711, 1.877

Previews

White Background



This preview shows how the CIELCh color 33, 63.967, 26.339 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 33, 63.967, 26.339 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, 63.967, 26.339

Background



This preview shows how black text looks on a background with the CIELCh color 33, 63.967, 26.339.



This preview shows how white text looks on a background with the CIELCh color 33, 63.967, 26.339.

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, 63.967, 26.339

Protanopia

34, 15.741, 96.976

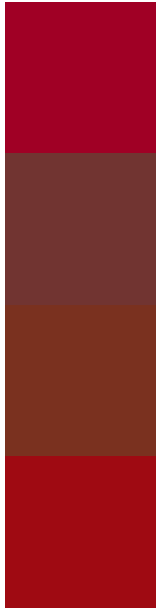
Deuteranopia

34, 32.720, 82.472



Tritanopia
33, 69.803, 38.996

Trichromacy



Original Color
33, 63.967, 26.339

Protanomaly
30, 30.389, 28.793

Deuteranomaly
30, 40.833, 41.362

Tritanomaly
33, 67.774, 35.498

Monochromacy



Original Color
33, 63.967, 26.339

Achromatopsia
22, 0.004, 296.813

Achromatomaly
22, 28.423, 10.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 63.967, 26.339 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(160, 0, 37)` looks like.

```
.text, #text, p{  
    color:rgb(160, 0, 37)  
}
```

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(160, 0, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 0, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 63.967, 26.339 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(160, 0, 37) }
```

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

```
.border{ border-color:rgb(160, 0, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(160, 0, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 0, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 0, 37);  
box-shadow:4px 4px 4px 4px rgb(160, 0, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 63.967, 26.339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 0, 37) }
```

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

```
.background{ background-color: rgb(160, 0,  
37) }
```

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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