

Converting Colors

CIELCh(33, 62.831, 26.368)

Have a look what the booklet for
CIELCh(33, 62.831, 26.368) contains.

CIELCh(33, 62.741, 26.532)	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(33, 62.741, 26.532)

Conversions

Conversions Part 1

Format	Color
Hex	9E0525
RGB	158, 5, 37
RGB Percent	62%, 2%, 15%
CMY	0.3797, 0.9789, 0.8544
CMYK	0.00, 0.97, 0.77, 0.38
HSL	348°, 93%, 32%
HSV	348°, 97%, 62%
XYZ	14.5285, 7.5373, 2.4491
YIQ	54.3950, 80.9160, 42.3880

Conversions

Conversions Part 2

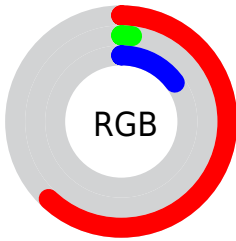
Format	Color
RYB	158, 5, 37
Decimal	10356005
CIELab	33.00, 56.13, 28.03
CIElCh	33, 62.741, 26.532
Yxy	7.5373, 0.5926, 0.3075
Android (android.graphics.Color)	4288546085 (0xFF9E0525)
YUV	54.3950, -8.5757, 90.8616
Hunter-Lab	27.4541, 46.4164, 13.9287

Details

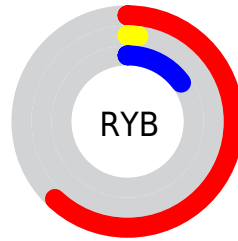
The CIELCh color **33, 62.741, 26.532** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **58, 43.181, 170.900**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 62.947, 26.257**, and **18, 48.773, 35.419** is the 20% darker color. If you saturate the color by 10%, you get **33, 64.325, 28.148**, and if you desaturate by 10%, it is **34, 58.149, 21.536**.

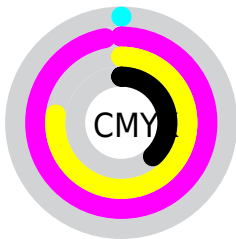
Distribution



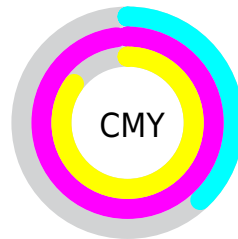
- Red (62%)
- Green (2%)
- Blue (15%)



- Red (62%)
- Yellow (2%)
- Blue (15%)



- Cyan (0%)
- Magenta (97%)
- Yellow (77%)
- Black (38%)



- Cyan (38%)
- Magenta (98%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 62.741, 26.532 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, 62.741, 26.532 by changing the saturation by 10% instead.

 33, 62.741, 26.532

 33, 62.741, 26.532

 100, 62.741,
26.532

 23, 62.741, 26.532

 53, 62.741, 26.532

 13, 62.741, 26.532

 63, 62.741, 26.532

 3, 62.741, 26.532

 73, 62.741, 26.532

 0, 62.741, 26.532

 83, 62.741, 26.532

 93, 62.741, 26.532

 33, 62.741, 26.532

 33, 62.741, 26.532

 33, 64.325, 28.148

 34, 58.149, 21.536

■ 36, 52.794, 17.212

■ 38, 46.608, 13.702

■ 42, 39.769, 10.912

■ 45, 32.550, 8.696

■ 49, 25.217, 6.915

■ 53, 17.976, 5.459

■ 58, 10.962, 4.239

■ 62, 4.250, 3.159

Harmonies

Complementary

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



33, 62.741, 26.532



58, 43.181, 170.900

Rectangle

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



33, 62.741, 26.532



33, 62.741, 76.532



33, 62.741, 206.532



33, 62.741, 256.532

Sweetspot

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



33, 62.738, 26.534



67, 24.509, 5.863



32, 81.604, 320.343



33, 17.085, 6.448



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, 62.738, 26.534



43, 79.190, 29.319



37, 64.184, 46.968



31, 3.665, 3.442



29, 59.432, 27.612



1, 4.669, 3.475

Inverse Universe

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



33, 62.738, 26.534



43, 79.190, 29.319



45, 32.668, 250.785



31, 3.665, 3.442



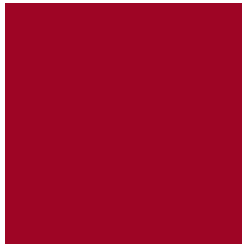
29, 59.432, 27.612



1, 4.669, 3.475

Previews

White Background



This preview shows how the CIELCh color 33, 62.741, 26.532 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, 62.741, 26.532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

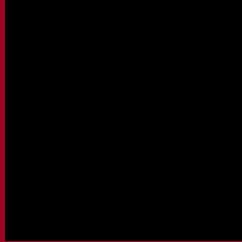
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 33, 62.741, 26.532

Background



This preview shows how black text looks on a background with the CIELCh color 33, 62.741, 26.532.



This preview shows how white text looks on a background with the CIELCh color 33, 62.741, 26.532.

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, 62.741, 26.532

Protanopia

34, 15.274, 94.885

Deuteranopia

34, 31.792, 81.914



Tritanopia
33, 68.839, 38.571

Trichromacy



Original Color
33, 62.741, 26.532

Protanomaly
30, 30.041, 29.804

Deuteranomaly
31, 40.124, 42.229

Tritanomaly
33, 66.659, 34.911

Monochromacy



Original Color
33, 62.741, 26.532

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 27.370, 11.870

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 62.741, 26.532 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(158, 5, 37)` looks like.

```
.text, #text, p{  
    color:rgb(158, 5, 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(158, 5, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 5, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 62.741, 26.532 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(158, 5, 37) }
```

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

```
.border{ border-color:rgb(158, 5, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 5, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 5, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 5, 37);  
box-shadow:4px 4px 4px 4px rgb(158, 5, 37)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 33, 62.741, 26.532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 5, 37) }
```

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

```
.background{ background-color: rgb(158, 5,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor