

Converting Colors

CIELCh(33, 65.080, 32.134)

Have a look what the booklet for
CIELCh(33, 65.080, 32.134) contains.

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Color

CIELCh(33, 65.166, 32.278)

Conversions

Conversions Part 1

Format	Color
Hex	9E0A1A
RGB	158, 10, 26
RGB Percent	62%, 4%, 10%
CMY	0.3810, 0.9620, 0.8985
CMYK	0.00, 0.94, 0.84, 0.38
HSL	353°, 88%, 33%
HSV	353°, 94%, 62%
XYZ	14.3600, 7.5373, 1.6691
YIQ	56.0760, 83.0720, 36.3520

Conversions

Conversions Part 2

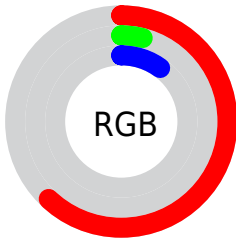
Format	Color
R _Y B	158, 10, 26
Decimal	10357274
CIE Lab	33.00, 55.10, 34.80
CIE LCh	33, 65.166, 32.278
Yxy	7.5373, 0.6093, 0.3198
Android (android.graphics.Color)	4288547354 (0xFF9E0A1A)
YUV	56.0760, -14.8275, 89.3873
Hunter-Lab	27.4541, 45.3207, 15.6133

Details

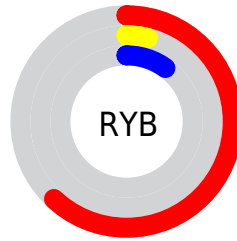
The CIELCh color **33, 65.166, 32.278** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **58, 38.108, 181.975**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 65.106, 32.443**, and **18, 48.338, 35.275** is the 20% darker color. If you saturate the color by 10%, you get **32, 68.447, 34.769**, and if you desaturate by 10%, it is **34, 59.354, 27.762**.

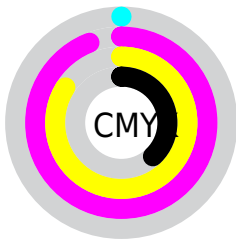
Distribution



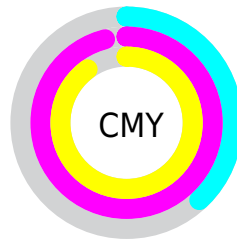
- Red (62%)
- Green (4%)
- Blue (10%)



- Red (62%)
- Yellow (4%)
- Blue (10%)



- Cyan (0%)
- Magenta (94%)
- Yellow (84%)
- Black (38%)



- Cyan (38%)
- Magenta (96%)
- Yellow (90%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 65.166, 32.278 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, 65.166, 32.278 by changing the saturation by 10% instead.

 33, 65.166, 32.278

 33, 65.166, 32.278

 100, 65.166,
32.278

 23, 65.166, 32.278

 53, 65.166, 32.278

 13, 65.166, 32.278

 63, 65.166, 32.278

 3, 65.166, 32.278

 73, 65.166, 32.278

 0, 65.166, 32.278

 83, 65.166, 32.278

 93, 65.166, 32.278

 33, 65.166, 32.278

 33, 65.166, 32.278

 32, 68.447, 34.769

 34, 59.354, 27.762

■ 36, 52.760, 23.729

■ 39, 45.587, 20.396

■ 42, 38.063, 17.739

■ 46, 30.442, 15.641

■ 50, 22.943, 13.978

■ 54, 15.718, 12.641

■ 59, 8.855, 11.539

■ 63, 2.389, 10.511

Harmonies

Complementary

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



33, 65.166, 32.278



58, 38.108, 181.975

Rectangle

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



33, 65.166, 32.278



33, 65.166, 82.278



33, 65.166, 212.278



33, 65.166, 262.278

Sweetspot

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



33, 65.163, 32.280



66, 23.044, 13.230



35, 79.916, 323.912



33, 16.049, 13.786



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



33, 65.163, 32.280



43, 83.649, 35.670



40, 59.284, 53.294



31, 3.566, 11.082



29, 63.308, 34.336



1, 4.532, 10.845

Inverse Universe

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



33, 65.163, 32.280



43, 83.649, 35.670



41, 37.524, 266.427



31, 3.566, 11.082



29, 63.308, 34.336



1, 4.532, 10.845

Previews

White Background



This preview shows how the CIELCh color 33, 65.166, 32.278 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, 65.166, 32.278 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, 65.166, 32.278

Background



This preview shows how black text looks on a background with the CIELCh color 33, 65.166, 32.278.



This preview shows how white text looks on a background with the CIELCh color 33, 65.166, 32.278.

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, 65.166, 32.278

Protanopia

34, 24.177, 96.463

Deuteranopia

34, 40.320, 84.270



Tritanopia
33, 70.528, 39.924

Trichromacy



Original Color
33, 65.166, 32.278

Protanomaly
30, 33.645, 43.435

Deuteranomaly
31, 46.134, 52.074

Tritanomaly
33, 68.787, 37.578

Monochromacy



Original Color
33, 65.166, 32.278

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 26.612, 17.864

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 65.166, 32.278 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, 10, 26)` looks like.

```
.text, #text, p{  
    color:rgb(158, 10, 26)  
}
```

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, 10, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 10, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 65.166, 32.278 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, 10, 26) }
```

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

```
.border{ border-color:rgb(158, 10, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 10, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 10, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 10, 26);  
box-shadow:4px 4px 4px 4px rgb(158, 10,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 65.166, 32.278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 10, 26) }
```

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

```
.background{ background-color: rgb(158, 10,  
26) }
```

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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