

Converting Colors

CIELCh(33, 64.943, 36.559)

Have a look what the booklet for
CIELCh(33, 64.943, 36.559) contains.

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Color

CIELCh(33, 64.977, 36.719)

Conversions

Conversions Part 1

Format	Color
Hex	9B1512
RGB	155, 21, 18
RGB Percent	61%, 8%, 7%
CMY	0.3925, 0.9180, 0.9296
CMYK	0.00, 0.87, 0.88, 0.39
HSL	1°, 79%, 34%
HSV	1°, 88%, 61%
XYZ	13.8783, 7.5373, 1.2934
YIQ	60.7240, 80.8270, 27.4750

Conversions

Conversions Part 2

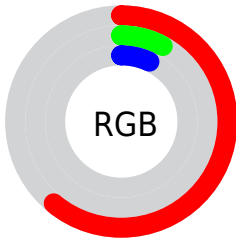
Format	Color
R _Y B	155, 21, 18
Decimal	10163474
CIE Lab	33.00, 52.08, 38.85
CIE LCh	33, 64.977, 36.719
Yxy	7.5373, 0.6111, 0.3319
Android (android.graphics.Color)	4288353554 (0xFF9B1512)
YUV	60.7240, -21.0629, 82.6801
Hunter-Lab	27.4541, 42.1888, 16.4247

Details

The CIELCh color **33, 64.977, 36.719** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **57, 32.796, 199.515**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 64.991, 36.414**, and **17, 47.026, 34.818** is the 20% darker color. If you saturate the color by 10%, you get **32, 70.524, 39.488**, and if you desaturate by 10%, it is **35, 57.818, 33.514**.

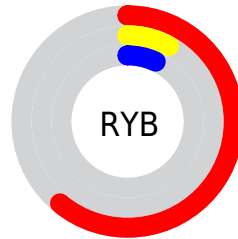
Distribution



Red (61%)

Green (8%)

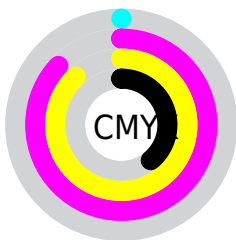
Blue (7%)



Red (61%)

Yellow (8%)

Blue (7%)

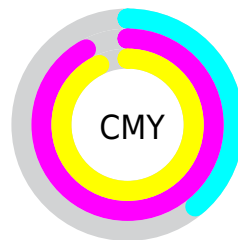


Cyan (0%)

Magenta (87%)

Yellow (88%)

Black (39%)



Cyan (39%)

Magenta (92%)

Yellow (93%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 64.977, 36.719 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, 64.977, 36.719 by changing the saturation by 10% instead.

 33, 64.977, 36.719

 33, 64.977, 36.719

 100, 64.977,
36.719

 23, 64.977, 36.719

 53, 64.977, 36.719

 13, 64.977, 36.719

 63, 64.977, 36.719

 3, 64.977, 36.719

 73, 64.977, 36.719

 0, 64.977, 36.719

 83, 64.977, 36.719

 93, 64.977, 36.719

 33, 64.977, 36.719

 33, 64.977, 36.719

 32, 70.524, 39.488

 35, 57.818, 33.514

32, 71.343, 39.897

37, 49.893, 30.496

40, 41.731, 27.977

44, 33.638, 25.984

47, 25.822, 24.443

51, 18.416, 23.263

56, 11.485, 22.352

60, 5.047, 21.616

65, 0.913, 201.682

Harmonies

Complementary

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



33, 64.977, 36.719



57, 32.796, 199.515

Rectangle

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



33, 64.977, 36.719



33, 64.977, 86.719



33, 64.977, 216.719



33, 64.977, 266.719

Sweetspot

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



33, 64.975, 36.721



66, 21.600, 23.172



37, 76.066, 328.720



33, 14.845, 23.503



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, 64.975, 36.721



42, 87.270, 40.204



44, 53.056, 65.097



30, 3.366, 21.673



29, 65.813, 39.421



1, 3.519, 21.216

Inverse Universe

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



57, 32.796, 199.515



72, 40.700, 199.844



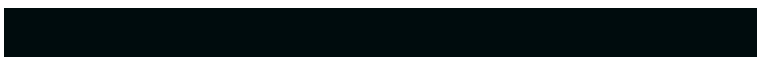
36, 44.787, 280.113



32, 3.179, 200.910



52, 31.179, 199.746



3, 3.508, 201.520

Previews

White Background



This preview shows how the CIELCh color 33, 64.977, 36.719 looks on a white background.

Color Contrast Check

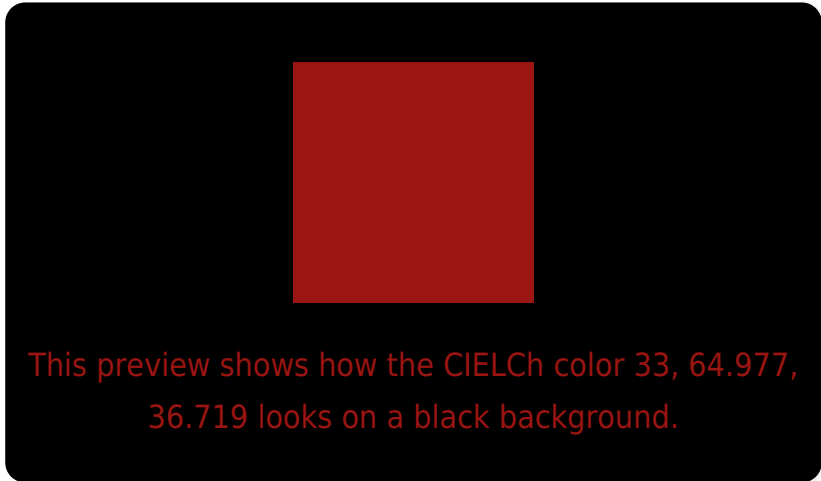
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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, 64.977, 36.719

Background



This preview shows how black text looks on a background with the CIELCh color 33, 64.977, 36.719.



This preview shows how white text looks on a background with the CIELCh color 33, 64.977, 36.719.

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, 64.977, 36.719

Protanopia

34, 29.730, 96.129

Deuteranopia

34, 42.715, 84.878



Tritanopia
33, 64.977, 36.719

Trichromacy



Original Color
33, 64.977, 36.719

Protanomaly
31, 36.677, 55.235

Deuteranomaly
32, 47.125, 57.171

Tritanomaly
33, 64.977, 36.719

Monochromacy



Original Color
33, 64.977, 36.719

Achromatopsia
26, 0.004, 296.813

Achromatomaly
25, 24.627, 26.164

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 64.977, 36.719 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(155, 21, 18)` looks like.

```
.text, #text, p{  
    color:rgb(155, 21, 18)  
}
```

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(155, 21, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 21, 18) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 64.977, 36.719 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(155, 21, 18) }
```

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

```
.border{ border-color:rgb(155, 21, 18) }
```

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

Here you see how a box with a 4 pixel rgb(155, 21, 18) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 21, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 21, 18);  
box-shadow:4px 4px 4px 4px rgb(155, 21,  
18) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 64.977, 36.719 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 21, 18) }
```

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

```
.background{ background-color: rgb(155, 21,  
18) }
```

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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