

Converting Colors

CIELCh(33, 56.229, 32.654)

Have a look what the booklet for
CIELCh(33, 56.229, 32.654) contains.

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Color

CIELCh(33, 56.405, 33.003)

Conversions

Conversions Part 1

Format	Color
Hex	952120
RGB	149, 33, 32
RGB Percent	58%, 13%, 13%
CMY	0.4168, 0.8717, 0.8753
CMYK	0.00, 0.78, 0.79, 0.42
HSL	0°, 65%, 35%
HSV	0°, 79%, 58%
XYZ	13.1360, 7.5373, 2.1147
YIQ	67.5700, 69.4570, 24.2810

Conversions

Conversions Part 2

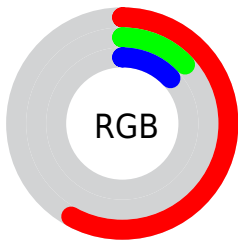
Format	Color
R_{YB}	149, 33, 32
Decimal	9773344
CIE Lab	33.00, 47.30, 30.72
CIE LCh	33, 56.405, 33.003
Yxy	7.5373, 0.5764, 0.3308
Android (android.graphics.Color)	4287963424 (0xFF952120)
YUV	67.5700, -17.5360, 71.4141
Hunter-Lab	27.4541, 37.3624, 14.6510

Details

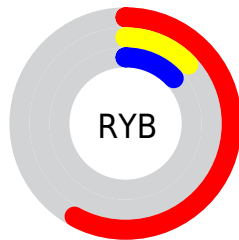
The CIELCh color **33, 56.405, 33.003** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **56, 31.154, 197.562**, and the grayscale version is **29, 0.004, 296.813**.

A 20% lighter version of the original color is **53, 56.525, 32.899**, and **16, 45.263, 34.148** is the 20% darker color. If you saturate the color by 10%, you get **31, 63.246, 36.386**, and if you desaturate by 10%, it is **35, 48.787, 29.836**.

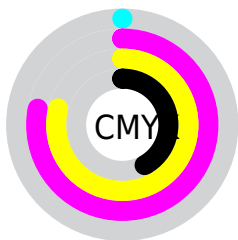
Distribution



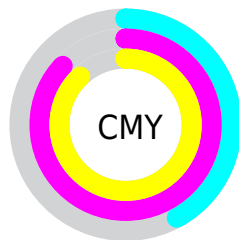
- Red (58%)
- Green (13%)
- Blue (13%)



- Red (58%)
- Yellow (13%)
- Blue (13%)



- Cyan (0%)
- Magenta (78%)
- Yellow (79%)
- Black (42%)



- Cyan (42%)
- Magenta (87%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 33, 56.405, 33.003 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, 56.405, 33.003 by changing the saturation by 10% instead.

■ 33, 56.405, 33.003

■ 33, 56.405, 33.003

■ 100, 56.405,
33.003

■ 23, 56.405, 33.003

■ 53, 56.405, 33.003

■ 13, 56.405, 33.003

■ 63, 56.405, 33.003

■ 3, 56.405, 33.003

■ 73, 56.405, 33.003

■ 0, 56.405, 33.003

■ 83, 56.405, 33.003

■ 93, 56.405, 33.003

■ 33, 56.405, 33.003

■ 33, 56.405, 33.003

■ 31, 63.246, 36.386

■ 35, 48.787, 29.836

30, 68.532, 39.174

38, 40.899, 27.193

30, 69.224, 39.510

42, 33.039, 25.101

45, 25.418, 23.481

49, 18.176, 22.233

53, 11.386, 21.266

58, 5.071, 20.482

62, 0.782, 200.565

67, 6.203, 199.620

Harmonies

Complementary

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



33, 56.405, 33.003



56, 31.154, 197.562

Rectangle

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



33, 56.405, 33.003



33, 56.405, 83.003



33, 56.405, 213.003



33, 56.405, 263.003

Sweetspot

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



33, 56.403, 33.005



65, 18.628, 21.805



37, 70.765, 327.940



32, 12.915, 22.137



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



33, 56.403, 33.005



41, 81.681, 38.505



44, 46.097, 65.453



29, 3.317, 20.526



28, 65.017, 39.067



1, 2.806, 20.062

Inverse Universe

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



56, 31.154, 197.562



71, 39.983, 197.566



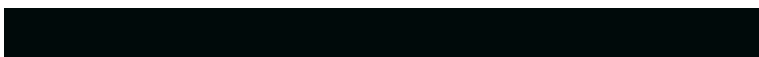
38, 37.534, 274.171



31, 3.134, 199.683



51, 31.349, 197.572



2, 2.806, 200.079

Previews

White Background



This preview shows how the CIELCh color 33, 56.405, 33.003 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, 56.405, 33.003 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, 56.405, 33.003

Background



This preview shows how black text looks on a background with the CIELCh color 33, 56.405, 33.003.



This preview shows how white text looks on a background with the CIELCh color 33, 56.405, 33.003.

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, 56.405, 33.003

Protanopia

34, 21.337, 95.759

Deuteranopia

33, 33.712, 82.693



Tritanopia
33, 56.121, 32.481

Trichromacy



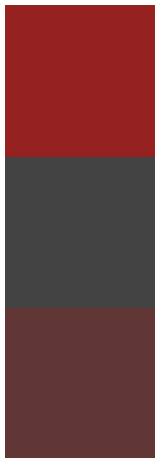
Original Color
33, 56.405, 33.003

Protanomaly
31, 28.735, 50.582

Deuteranomaly
32, 38.275, 54.672

Tritanomaly
33, 56.121, 32.481

Monochromacy



Original Color
33, 56.405, 33.003

Achromatopsia
28, 0.004, 296.813

Achromatomaly
28, 20.531, 25.096

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 33, 56.405, 33.003 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(149, 33, 32)` looks like.

```
.text, #text, p{  
    color:rgb(149, 33, 32)  
}
```

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(149, 33, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 33, 32) }
```

Border

The CSS property to change the border of an element to CIELCh 33, 56.405, 33.003 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(149, 33, 32) }
```

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

```
.border{ border-color:rgb(149, 33, 32) }
```

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

Here you see how a box with a 4 pixel rgb(149, 33, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 33, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 33, 32);  
box-shadow:4px 4px 4px 4px rgb(149, 33,  
32) }
```

Background

The CSS property to change the background color of an element to CIELCh 33, 56.405, 33.003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 33, 32) }
```

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

```
.background{ background-color: rgb(149, 33,  
32) }
```

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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