

Converting Colors

CIELCh(36, 54.922, 33.426)

Have a look what the booklet for
CIELCh(36, 54.922, 33.426) contains.

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Color

CIELCh(36, 54.890, 33.327)

Conversions

Conversions Part 1

Format	Color
Hex	9C2C27
RGB	156, 44, 39
RGB Percent	61%, 17%, 15%
CMY	0.3884, 0.8276, 0.8472
CMYK	0.00, 0.72, 0.75, 0.39
HSL	3°, 60%, 38%
HSV	3°, 75%, 61%
XYZ	14.9667, 9.0082, 2.8666
YIQ	76.9180, 68.3570, 22.1890

Conversions

Conversions Part 2

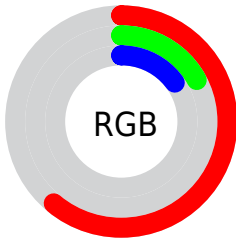
Format	Color
R _Y B	156, 44, 39
Decimal	10234919
CIE Lab	36.00, 45.86, 30.16
CIE LCh	36, 54.890, 33.327
Yxy	9.0082, 0.5576, 0.3356
Android (android.graphics.Color)	4288424999 (0xFF9C2C27)
YUV	76.9180, -18.6936, 69.3549
Hunter-Lab	30.0136, 36.4876, 15.3467

Details

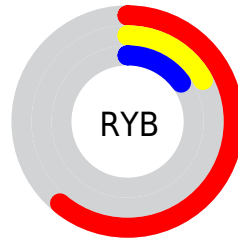
The CIELCh color **36, 54.890, 33.327** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **57, 30.460, 202.171**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **56, 54.661, 32.948**, and **18, 48.338, 35.275** is the 20% darker color. If you saturate the color by 10%, you get **34, 62.537, 36.264**, and if you desaturate by 10%, it is **39, 46.753, 30.698**.

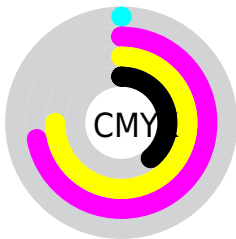
Distribution



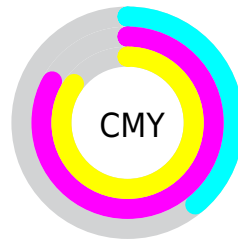
- Red (61%)
- Green (17%)
- Blue (15%)



- Red (61%)
- Yellow (17%)
- Blue (15%)



- Cyan (0%)
- Magenta (72%)
- Yellow (75%)
- Black (39%)



- Cyan (39%)
- Magenta (83%)
- Yellow (85%)
- Black (0%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 36, 54.890, 33.327 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 36, 54.890, 33.327 by changing the saturation by 10% instead.

 36, 54.890, 33.327

 36, 54.890, 33.327

 100, 54.890,
33.327

 26, 54.890, 33.327

 56, 54.890, 33.327

 16, 54.890, 33.327

 66, 54.890, 33.327

 6, 54.890, 33.327

 76, 54.890, 33.327

 0, 54.890, 33.327

 86, 54.890, 33.327

 96, 54.890, 33.327

 36, 54.890, 33.327

 36, 54.890, 33.327

 34, 62.537, 36.264

 39, 46.753, 30.698

33, 68.826, 38.915

42, 38.562, 28.549

32, 71.436, 40.224

45, 30.572, 26.868

49, 22.947, 25.581

53, 15.779, 24.601

58, 9.105, 23.849

62, 2.923, 23.192

67, 2.795, 203.103

71, 8.087, 202.685

Harmonies

Complementary

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



36, 54.890, 33.327



57, 30.460, 202.171

Rectangle

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



36, 54.890, 33.327



36, 54.890, 83.327



36, 54.890, 213.327



36, 54.890, 263.327

Sweetspot

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



36, 54.888, 33.330



70, 17.947, 24.471



39, 69.909, 328.976



35, 12.557, 24.760



91, 0.011, 296.813



43, 0.006, 296.813

Same Dimension

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



36, 54.888, 33.330



44, 81.784, 38.135



48, 45.724, 69.017



31, 3.390, 23.480



29, 66.507, 39.873



1, 4.296, 22.922

Inverse Universe

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



57, 30.460, 202.171



72, 39.511, 202.851



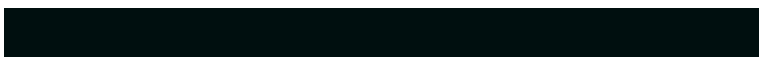
39, 39.384, 276.346



33, 3.199, 202.851



52, 30.752, 203.246



3, 4.246, 204.049

Previews

White Background



This preview shows how the CIELCh color 36, 54.890, 33.327 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 36, 54.890, 33.327 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 36, 54.890, 33.327

Background



This preview shows how black text looks on a background with the CIELCh color 36, 54.890, 33.327.



This preview shows how white text looks on a background with the CIELCh color 36, 54.890, 33.327.

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

36, 54.890, 33.327

Protanopia

37, 21.076, 96.110

Deuteranopia

36, 33.244, 82.341



Tritanopia
36, 53.533, 29.612

Trichromacy



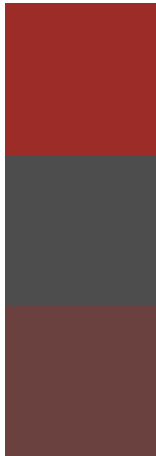
Original Color
36, 54.890, 33.327

Protanomaly
35, 28.297, 52.925

Deuteranomaly
35, 37.460, 54.989

Tritanomaly
36, 54.046, 30.763

Monochromacy



Original Color
36, 54.890, 33.327

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 19.597, 26.339

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 36, 54.890, 33.327 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(156, 44, 39)` looks like.

```
.text, #text, p{  
    color:rgb(156, 44, 39)  
}
```

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(156, 44, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 44, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 36, 54.890, 33.327 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(156, 44, 39) }
```

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

```
.border{ border-color:rgb(156, 44, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 44, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 44, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 44, 39);  
box-shadow:4px 4px 4px 4px rgb(156, 44,  
39) }
```

Background

The CSS property to change the background color of an element to CIELCh 36, 54.890, 33.327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 44, 39) }
```

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

```
.background{ background-color: rgb(156, 44,  
39) }
```

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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