

Converting Colors

CIELCh(35, 46.858, 26.789)

Have a look what the booklet for
CIELCh(35, 46.858, 26.789) contains.

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Color

CIELCh(35, 46.873, 27.029)

Conversions

Conversions Part 1

Format	Color
Hex	933033
RGB	147, 48, 51
RGB Percent	58%, 19%, 20%
CMY	0.4248, 0.8129, 0.8010
CMYK	0.00, 0.67, 0.65, 0.42
HSL	358°, 51%, 38%
HSV	358°, 67%, 58%
XYZ	13.6096, 8.4984, 4.0261
YIQ	77.9430, 58.0410, 21.9210

Conversions

Conversions Part 2

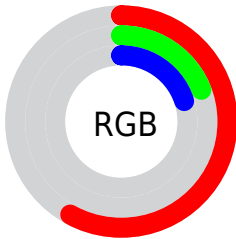
Format	Color
R_{YB}	147, 48, 51
Decimal	9646131
CIE _{Lab}	35.00, 41.75, 21.30
CIE _{LCh}	35, 46.873, 27.029
Yxy	8.4984, 0.5208, 0.3252
Android (android.graphics.Color)	4287836211 (0xFF933033)
YUV	77.9430, -13.2829, 60.5630
Hunter-Lab	29.1520, 32.3170, 12.2181

Details

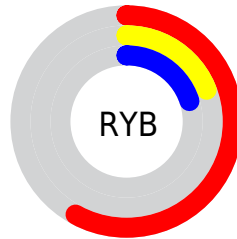
The CIELCh color **35, 46.873, 27.029** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **55, 29.396, 193.249**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 46.923, 27.402**, and **16, 44.131, 31.478** is the 20% darker color. If you saturate the color by 10%, you get **33, 54.167, 30.367**, and if you desaturate by 10%, it is **38, 39.298, 24.303**.

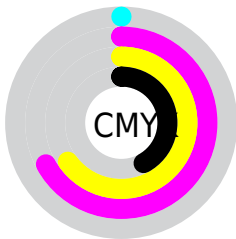
Distribution



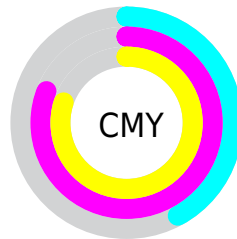
- Red (58%)
- Green (19%)
- Blue (20%)



- Red (58%)
- Yellow (19%)
- Blue (20%)



- Cyan (0%)
- Magenta (67%)
- Yellow (65%)
- Black (42%)



- Cyan (42%)
- Magenta (81%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 46.873, 27.029 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 35, 46.873, 27.029 by changing the saturation by 10% instead.

■ 35, 46.873, 27.029

■ 35, 46.873, 27.029

■ 100, 46.873,
27.029

■ 25, 46.873, 27.029

■ 55, 46.873, 27.029

■ 15, 46.873, 27.029

■ 65, 46.873, 27.029

■ 5, 46.873, 27.029

■ 75, 46.873, 27.029

■ 0, 46.873, 27.029

■ 85, 46.873, 27.029

■ 95, 46.873, 27.029

■ 35, 46.873, 27.029

■ 35, 46.873, 27.029

■ 33, 54.167, 30.367

■ 38, 39.298, 24.303

31, 60.841, 34.125

41, 31.709, 22.150

30, 66.269, 37.476

45, 24.309, 20.471

30, 67.476, 38.083

49, 17.241, 19.159

53, 10.584, 18.120

58, 4.365, 17.250

62, 1.420, 197.006

66, 6.798, 196.233

71, 11.805,
195.770

Harmonies

Complementary

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



35, 46.873, 27.029



55, 29.396, 193.249

Rectangle

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



35, 46.873, 27.029



35, 46.873, 77.029



35, 46.873, 207.029



35, 46.873, 257.029

Sweetspot

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



35, 46.871, 27.032



67, 15.201, 18.403



38, 63.345, 326.580



34, 10.548, 18.663



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

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



35, 46.871, 27.032



42, 70.247, 32.298



45, 38.688, 63.932



29, 3.343, 17.398



28, 64.123, 37.705



1, 2.833, 16.844

Inverse Universe

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



35, 46.871, 27.032



42, 70.247, 32.298



41, 30.583, 266.098



29, 3.343, 17.398



28, 64.123, 37.705



1, 2.833, 16.844

Previews

White Background



This preview shows how the CIELCh color 35, 46.873, 27.029 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 35, 46.873, 27.029 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

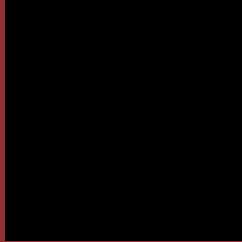
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 35, 46.873, 27.029

Background



This preview shows how black text looks on a background with the CIELCh color 35, 46.873, 27.029.

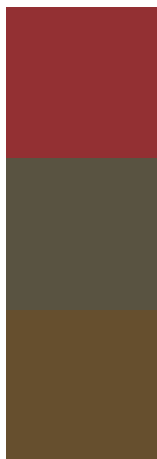


This preview shows how white text looks on a background with the CIELCh color 35, 46.873, 27.029.

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

35, 46.873, 27.029

Protanopia

35, 11.482, 94.224

Deuteranopia

35, 23.612, 77.510



Tritanopia
35, 47.095, 27.722

Trichromacy



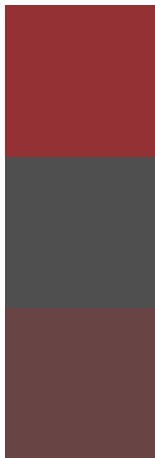
Original Color
35, 46.873, 27.029

Protanomaly
34, 20.596, 39.538

Deuteranomaly
34, 28.769, 47.626

Tritanomaly
35, 47.095, 27.722

Monochromacy



Original Color
35, 46.873, 27.029

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 16.768, 20.166

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 46.873, 27.029 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(147, 48, 51)` looks like.

```
.text, #text, p{  
    color:rgb(147, 48, 51)  
}
```

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(147, 48, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 48, 51) }
```

Border

The CSS property to change the border of an element to CIELCh 35, 46.873, 27.029 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(147, 48, 51) }
```

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

```
.border{ border-color:rgb(147, 48, 51) }
```

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

Here you see how a box with a 4 pixel rgb(147, 48, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 48, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 48, 51);  
box-shadow:4px 4px 4px 4px rgb(147, 48,  
51) }
```

Background

The CSS property to change the background color of an element to CIELCh 35, 46.873, 27.029 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 48, 51) }
```

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

```
.background{ background-color: rgb(147, 48,  
51) }
```

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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