

Converting Colors

CIELCh(35, 47.478, 29.108)

Have a look what the booklet for
CIELCh(35, 47.478, 29.108) contains.

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Color

CIELCh(35, 47.560, 29.081)

Conversions

Conversions Part 1

Format	Color
Hex	933030
RGB	147, 48, 48
RGB Percent	58%, 19%, 19%
CMY	0.4243, 0.8124, 0.8123
CMYK	0.00, 0.67, 0.67, 0.42
HSL	360°, 51%, 38%
HSV	360°, 67%, 58%
XYZ	13.5802, 8.4984, 3.7059
YIQ	77.6010, 59.0040, 20.9880

Conversions

Conversions Part 2

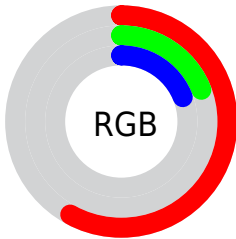
Format	Color
RYB	147, 48, 48
Decimal	9646128
CIELab	35.00, 41.56, 23.12
CIElCh	35, 47.560, 29.081
Yxy	8.4984, 0.5267, 0.3296
Android (android.graphics.Color)	4287836208 (0xFF933030)
YUV	77.6010, -14.5933, 60.8629
Hunter-Lab	29.1520, 32.1364, 12.8693

Details

The CIELCh color **35, 47.560, 29.081** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **56, 28.953, 196.730**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **55, 47.492, 29.326**, and **16, 44.875, 33.273** is the 20% darker color. If you saturate the color by 10%, you get **33, 55.120, 32.283**, and if you desaturate by 10%, it is **38, 39.746, 26.441**.

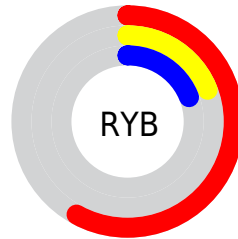
Distribution



Red (58%)

Green (19%)

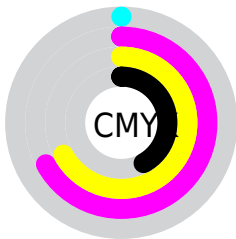
Blue (19%)



Red (58%)

Yellow (19%)

Blue (19%)

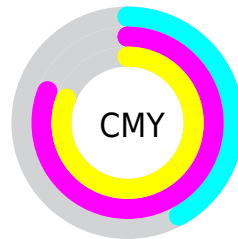


Cyan (0%)

Magenta (67%)

Yellow (67%)

Black (42%)



Cyan (42%)

Magenta (81%)

Yellow (81%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 35, 47.560, 29.081 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, 47.560, 29.081 by changing the saturation by 10% instead.

 35, 47.560, 29.081

 35, 47.560, 29.081

 100, 47.560,
29.081

 25, 47.560, 29.081

 55, 47.560, 29.081

 15, 47.560, 29.081

 65, 47.560, 29.081

 5, 47.560, 29.081

 75, 47.560, 29.081

 0, 47.560, 29.081

 85, 47.560, 29.081

 95, 47.560, 29.081

 35, 47.560, 29.081

 35, 47.560, 29.081

 33, 55.120, 32.283

 38, 39.746, 26.441

■ 31, 61.982, 35.773

■ 41, 31.970, 24.358

■ 30, 67.330, 38.690

■ 45, 24.436, 22.746

■ 30, 68.609, 39.311

■ 49, 17.279, 21.503

■ 53, 10.571, 20.534

■ 58, 4.332, 19.734

■ 62, 1.452, 199.558

■ 66, 6.811, 198.861

■ 71, 11.785,
198.466

Harmonies

Complementary

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



35, 47.560, 29.081



56, 28.953, 196.730

Rectangle

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



35, 47.560, 29.081



35, 47.560, 79.081



35, 47.560, 209.081



35, 47.560, 259.081

Sweetspot

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



35, 47.558, 29.084



67, 15.234, 20.801



38, 63.456, 327.109



34, 10.577, 21.043



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, 47.558, 29.084



42, 71.543, 34.117



45, 38.699, 65.513



29, 3.343, 19.874



28, 65.118, 38.920



1, 2.828, 19.386

Inverse Universe

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



35, 47.558, 29.084



42, 71.543, 34.117



41, 31.328, 268.043



29, 3.343, 19.874



28, 65.118, 38.920



1, 2.828, 19.386

Previews

White Background



This preview shows how the CIELCh color 35, 47.560, 29.081 looks on a white background.

Color Contrast Check

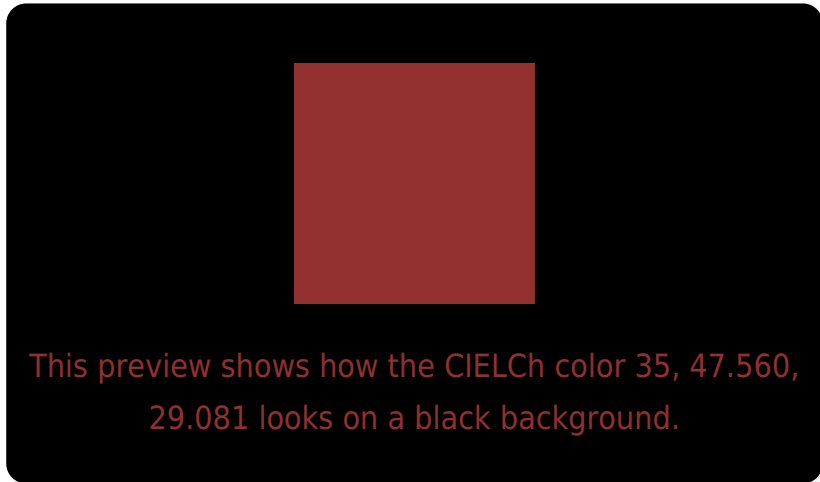
Large Text (above 18pt) WCAG AA ✓ Pass

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 35, 47.560, 29.081

Background



This preview shows how black text looks on a background with the CIELCh color 35, 47.560, 29.081.

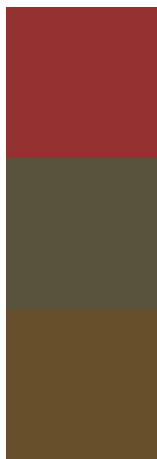


This preview shows how white text looks on a background with the CIELCh color 35, 47.560, 29.081.

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, 47.560, 29.081

Protanopia

35, 13.881, 96.107

Deuteranopia

35, 25.748, 79.445



Tritanopia
35, 47.095, 27.722

Trichromacy



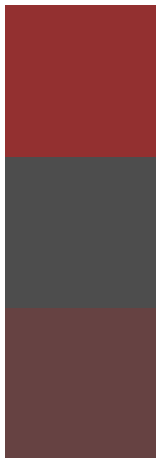
Original Color
35, 47.560, 29.081

Protanomaly
34, 21.864, 45.172

Deuteranomaly
34, 30.324, 51.083

Tritanomaly
35, 47.324, 28.406

Monochromacy



Original Color
35, 47.560, 29.081

Achromatopsia
33, 0.005, 296.813

Achromatomaly
32, 16.895, 22.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 35, 47.560, 29.081 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, 48)` looks like.

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

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, 48) colored shadow looks like.

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

Border

The CSS property to change the border of an element to CIELCh 35, 47.560, 29.081 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, 48) }
```

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

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

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, 48)` colored shadow looks like.

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

Background

The CSS property to change the background color of an element to CIELCh 35, 47.560, 29.081 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, 48) }
```

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

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

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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