

Converting Colors

CIELCh(37, 56.509, 29.477)

Have a look what the booklet for
CIELCh(37, 56.509, 29.477) contains.

CIELCh(37, 56.302, 29.764)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(37, 56.302, 29.764)

Conversions

Conversions Part 1

Format	Color
Hex	A22A2D
RGB	162, 42, 45
RGB Percent	64%, 16%, 18%
CMY	0.3645, 0.8350, 0.8234
CMYK	0.00, 0.74, 0.72, 0.36
HSL	359°, 59%, 40%
HSV	359°, 74%, 64%
XYZ	16.2175, 9.5379, 3.4733
YIQ	78.2220, 70.5570, 26.3730

Conversions

Conversions Part 2

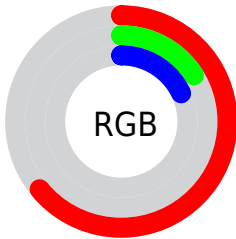
Format	Color
RYB	162, 42, 45
Decimal	10627629
CIELab	37.00, 48.87, 27.95
CIElCh	37, 56.302, 29.764
Yxy	9.5379, 0.5548, 0.3263
Android (android.graphics.Color)	4288817709 (0xFFA22A2D)
YUV	78.2220, -16.3784, 73.4733
Hunter-Lab	30.8835, 39.6877, 14.9505

Details

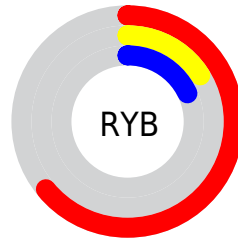
The CIELCh color **37, 56.302, 29.764** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **61, 33.209, 193.638**, and the grayscale version is **33, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 56.269, 29.870**, and **20, 50.932, 36.087** is the 20% darker color. If you saturate the color by 10%, you get **35, 63.827, 33.439**, and if you desaturate by 10%, it is **40, 48.212, 26.593**.

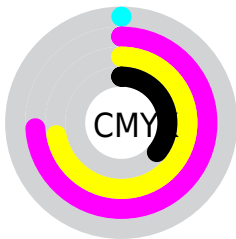
Distribution



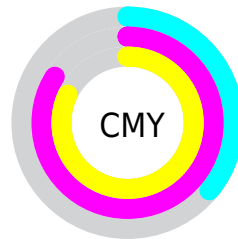
- Red (64%)
- Green (16%)
- Blue (18%)



- Red (64%)
- Yellow (16%)
- Blue (18%)



- Cyan (0%)
- Magenta (74%)
- Yellow (72%)
- Black (36%)



- Cyan (36%)
- Magenta (84%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 56.302, 29.764 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 37, 56.302, 29.764 by changing the saturation by 10% instead.

■ 37, 56.302, 29.764

■ 37, 56.302, 29.764

■ 100, 56.302,
29.764

■ 27, 56.302, 29.764

■ 57, 56.302, 29.764

■ 17, 56.302, 29.764

■ 67, 56.302, 29.764

■ 7, 56.302, 29.764

■ 77, 56.302, 29.764

■ 0, 56.302, 29.764

■ 87, 56.302, 29.764

■ 97, 56.302, 29.764

■ 37, 56.302, 29.764

■ 37, 56.302, 29.764

■ 35, 63.827, 33.439

■ 40, 48.212, 26.593

34, 70.147, 37.074

43, 39.918, 24.034

33, 73.247, 38.750

47, 31.692, 22.031

51, 23.739, 20.476

55, 16.192, 19.263

60, 9.117, 18.298

65, 2.529, 17.419

70, 3.589, 197.138

74, 9.271, 196.572

Harmonies

Complementary

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



37, 56.302, 29.764



61, 33.209, 193.638

Rectangle

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



37, 56.302, 29.764



37, 56.302, 79.764



37, 56.302, 209.764



37, 56.302, 259.764

Sweetspot

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



37, 56.300, 29.766



72, 18.306, 19.092



40, 72.980, 326.751



37, 12.513, 19.365



93, 0.011, 296.813



45, 0.006, 296.813

Same Dimension

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



37, 56.300, 29.766



45, 83.213, 35.920



48, 46.551, 63.020



32, 3.629, 17.894



30, 67.195, 38.276



1, 5.469, 17.535

Inverse Universe

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



37, 56.300, 29.766



45, 83.213, 35.920



43, 36.068, 268.769



32, 3.629, 17.894



30, 67.195, 38.276



1, 5.469, 17.535

Previews

White Background



This preview shows how the CIELCh color 37, 56.302, 29.764 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 37, 56.302, 29.764 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 37, 56.302, 29.764

Background



This preview shows how black text looks on a background with the CIELCh color 37, 56.302, 29.764.



This preview shows how white text looks on a background with the CIELCh color 37, 56.302, 29.764.

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

37, 56.302, 29.764

Protanopia

37, 16.808, 96.127

Deuteranopia

37, 30.672, 81.211



Tritanopia
37, 56.557, 30.309

Trichromacy



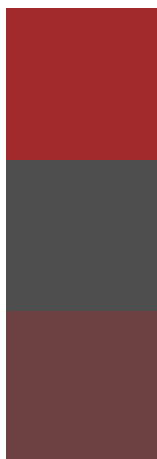
Original Color
37, 56.302, 29.764

Protanomaly
35, 26.162, 44.346

Deuteranomaly
36, 35.811, 50.697

Tritanomaly
37, 56.557, 30.309

Monochromacy



Original Color
37, 56.302, 29.764

Achromatopsia
33, 0.005, 296.813

Achromatomaly
33, 20.670, 21.330

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 56.302, 29.764 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(162, 42, 45)` looks like.

```
.text, #text, p{  
    color:rgb(162, 42, 45)  
}
```

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(162, 42, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 42, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 56.302, 29.764 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(162, 42, 45) }
```

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

```
.border{ border-color:rgb(162, 42, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 42, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 42, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 42, 45);  
box-shadow:4px 4px 4px 4px rgb(162, 42,  
45) }
```

Background

The CSS property to change the background color of an element to CIELCh 37, 56.302, 29.764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 42, 45) }
```

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

```
.background{ background-color: rgb(162, 42,  
45) }
```

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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