

Converting Colors

CIELCh(42, 47.606, 10.756)

Have a look what the booklet for
CIELCh(42, 47.606, 10.756) contains.

CIELCh(42, 47.573, 10.653)	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(42, 47.573, 10.653)

Conversions

Conversions Part 1

Format	Color
Hex	AA3D57
RGB	170, 61, 87
RGB Percent	67%, 24%, 34%
CMY	0.3346, 0.7619, 0.6599
CMYK	0.00, 0.64, 0.49, 0.33
HSL	346°, 47%, 45%
HSV	346°, 64%, 67%
XYZ	19.8707, 12.5000, 10.3261
YIQ	96.5550, 56.6180, 31.1940

Conversions

Conversions Part 2

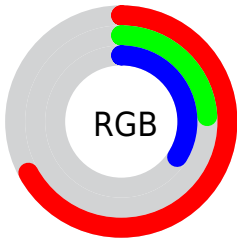
Format	Color
RYB	170, 61, 87
Decimal	11156823
CIELab	42.00, 46.75, 8.79
CIELCh	42, 47.573, 10.653
Yxy	12.5000, 0.4654, 0.2928
Android (android.graphics.Color)	4289346903 (0xFFAA3D57)
YUV	96.5550, -4.7106, 64.4113
Hunter-Lab	35.3553, 38.4504, 7.4322

Details

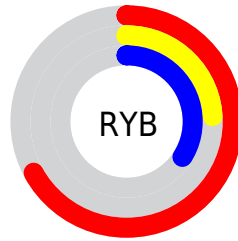
The CIELCh color **42, 47.573, 10.653** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **63, 37.507, 173.337**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 47.585, 10.311**, and **23, 46.540, 11.803** is the 20% darker color. If you saturate the color by 10%, you get **39, 54.041, 13.967**, and if you desaturate by 10%, it is **45, 40.378, 8.032**.

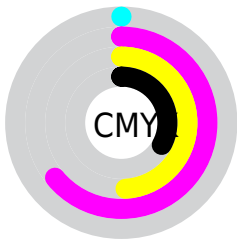
Distribution



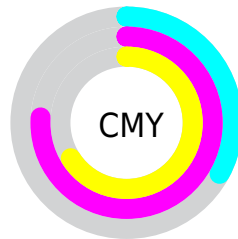
- Red (67%)
- Green (24%)
- Blue (34%)



- Red (67%)
- Yellow (24%)
- Blue (34%)



- Cyan (0%)
- Magenta (64%)
- Yellow (49%)
- Black (33%)



- Cyan (33%)
- Magenta (76%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 47.573, 10.653 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 42, 47.573, 10.653 by changing the saturation by 10% instead.

■ 42, 47.573, 10.653

■ 42, 47.573, 10.653

■ 100, 47.573,
10.653

■ 32, 47.573, 10.653

■ 62, 47.573, 10.653

■ 22, 47.573, 10.653

■ 72, 47.573, 10.653

■ 12, 47.573, 10.653

■ 82, 47.573, 10.653

■ 2, 47.573, 10.653

■ 92, 47.573, 10.653

■ 0, 47.573, 10.653

■ 42, 47.573, 10.653

■ 42, 47.573, 10.653

■ 39, 54.041, 13.967

■ 45, 40.378, 8.032

■ 37, 59.563, 18.101

■ 49, 32.774, 5.942

36, 64.115, 23.073

53, 25.046, 4.251

35, 66.634, 26.005

58, 17.409, 2.854

63, 10.002, 1.670

67, 2.901, 0.565

72, 3.863, 179.967

77, 10.286,
179.134

82, 16.383,
178.441

Harmonies

Complementary

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



42, 47.573, 10.653



63, 37.507, 173.337

Rectangle

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



42, 47.573, 10.653



42, 47.573, 60.653



42, 47.573, 190.653



42, 47.573, 240.653

Sweetspot

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



42, 47.570, 10.655



77, 16.811, 2.255



41, 67.392, 319.713



40, 11.733, 2.592



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



42, 47.570, 10.655



50, 68.978, 15.592



47, 43.654, 44.660



33, 3.908, 1.135



30, 59.937, 25.304



1, 6.885, 2.823

Inverse Universe

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



42, 47.570, 10.655



50, 68.978, 15.592



55, 27.095, 233.273



33, 3.908, 1.135



30, 59.937, 25.304



1, 6.885, 2.823

Previews

White Background



This preview shows how the CIELCh color 42, 47.573, 10.653 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 × Fail

Black Background



This preview shows how the CIE LCh color 42, 47.573, 10.653 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

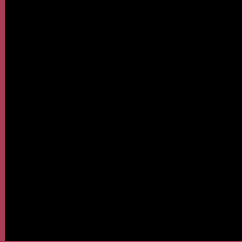
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 47.573, 10.653

Background



This preview shows how black text looks on a background with the CIELCh color 42, 47.573, 10.653.



This preview shows how white text looks on a background with the CIELCh color 42, 47.573, 10.653.

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





Tritanopia
42, 48.008, 25.179

Trichromacy



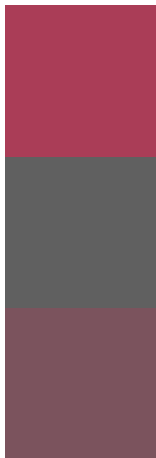
Original Color
42, 47.573, 10.653

Protanomaly
41, 19.110, 354.233

Deuteranomaly
41, 23.912, 21.546

Tritanomaly
42, 47.268, 19.872

Monochromacy



Original Color
42, 47.573, 10.653

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 18.273, 3.041

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 47.573, 10.653 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(170, 61, 87)` looks like.

```
.text, #text, p{  
    color:rgb(170, 61, 87)  
}
```

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(170, 61, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 61, 87) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 47.573, 10.653 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(170, 61, 87) }
```

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

```
.border{ border-color:rgb(170, 61, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 61, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 61, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 61, 87);  
box-shadow:4px 4px 4px 4px rgb(170, 61,  
87) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 47.573, 10.653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 61, 87) }
```

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

```
.background{ background-color: rgb(170, 61,  
87) }
```

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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