

Converting Colors

CIELCh(42, 47.687, 8.515)

Have a look what the booklet for
CIELCh(42, 47.687, 8.515) contains.

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Color

CIELCh(42, 47.966, 8.153)

Conversions

Conversions Part 1

Format	Color
Hex	AA3C5A
RGB	170, 60, 90
RGB Percent	67%, 24%, 35%
CMY	0.3336, 0.7649, 0.6473
CMYK	0.00, 0.65, 0.47, 0.33
HSL	344°, 48%, 45%
HSV	344°, 65%, 67%
XYZ	20.0174, 12.5000, 11.0175
YIQ	96.3100, 55.9300, 32.6500

Conversions

Conversions Part 2

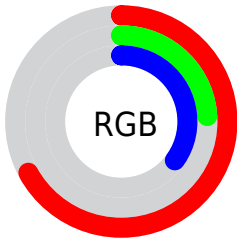
Format	Color
R_{YB}	170, 60, 90
Decimal	11156570
CIE _{Lab}	42.00, 47.48, 6.80
CIE _{LCh}	42, 47.966, 8.153
Yxy	12.5000, 0.4598, 0.2871
Android (android.graphics.Color)	4289346650 (0xFFAA3C5A)
YUV	96.3100, -3.1108, 64.6261
Hunter-Lab	35.3553, 39.1907, 6.2726

Details

The CIELCh color **42, 47.966, 8.153** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **63, 38.963, 170.584**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 48.096, 7.918**, and **23, 46.378, 9.334** is the 20% darker color. If you saturate the color by 10%, you get **39, 54.158, 11.411**, and if you desaturate by 10%, it is **45, 40.943, 5.577**.

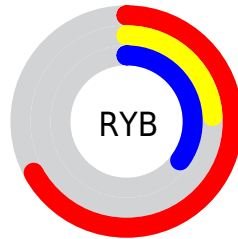
Distribution



Red (67%)

Green (24%)

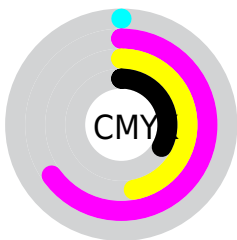
Blue (35%)



Red (67%)

Yellow (24%)

Blue (35%)

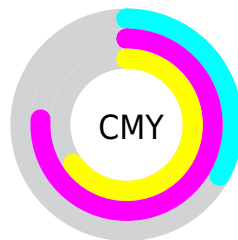


Cyan (0%)

Magenta (65%)

Yellow (47%)

Black (33%)



Cyan (33%)

Magenta (76%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 47.966, 8.153 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, 47.966, 8.153 by changing the saturation by 10% instead.

 42, 47.966, 8.153  42, 47.966, 8.153

 100, 47.966, 8.153  32, 47.966, 8.153

 62, 47.966, 8.153  22, 47.966, 8.153

 72, 47.966, 8.153  12, 47.966, 8.153

 82, 47.966, 8.153  2, 47.966, 8.153

 92, 47.966, 8.153  0, 47.966, 8.153

 42, 47.966, 8.153  42, 47.966, 8.153

 39, 54.158, 11.411  45, 40.943, 5.577

 37, 59.295, 15.494  49, 33.421, 3.517

 36, 63.375, 20.452  53, 25.703, 1.844

■ 35, 65.445, 23.138

■ 58, 18.020, 0.454

■ 63, 10.526,
359.269

■ 67, 3.307, 358.175

■ 72, 3.596, 177.549

■ 77, 10.173,
176.696

■ 82, 16.433,
175.986

Harmonies

Complementary

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



42, 47.966, 8.153



63, 38.963, 170.584

Rectangle

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



42, 47.966, 8.153



42, 47.966, 58.153



42, 47.966, 188.153



42, 47.966, 238.153

Sweetspot

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



42, 47.963, 8.155



77, 17.029, 359.795



41, 67.811, 318.691



40, 11.877, 0.130



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, 47.963, 8.155



50, 69.185, 13.216



46, 44.902, 42.064



33, 3.967, 358.680



31, 58.846, 22.423



1, 6.973, 0.634

Inverse Universe

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



42, 47.963, 8.155



50, 69.185, 13.216



57, 27.193, 227.895



33, 3.967, 358.680



31, 58.846, 22.423



1, 6.973, 0.634

Previews

White Background



This preview shows how the CIELCh color 42, 47.966, 8.153 looks on a white background.

Color Contrast Check

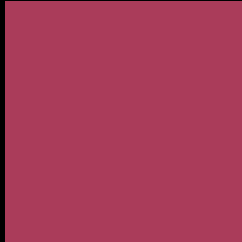
Large Text (above 18pt) WCAG AA ✓ Pass

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, 47.966, 8.153 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

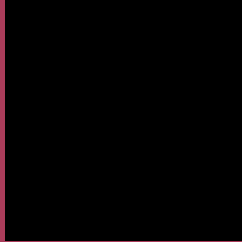
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 47.966, 8.153

Background



This preview shows how black text looks on a background with the CIELCh color 42, 47.966, 8.153.



This preview shows how white text looks on a background with the CIELCh color 42, 47.966, 8.153.

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

42, 47.966, 8.153

Protanopia

42, 7.855, 288.463

Deuteranopia

42, 10.823, 57.593



Tritanopia
42, 48.008, 25.179

Trichromacy



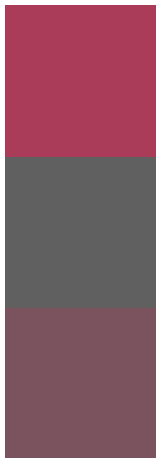
Original Color
42, 47.966, 8.153

Protanomaly
41, 19.808, 347.194

Deuteranomaly
41, 23.258, 17.093

Tritanomaly
42, 47.148, 19.164

Monochromacy



Original Color
42, 47.966, 8.153

Achromatopsia
41, 0.006, 296.813

Achromatomaly
40, 18.415, 1.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 47.966, 8.153 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, 60, 90)` looks like.

```
.text, #text, p{  
    color:rgb(170, 60, 90)  
}
```

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, 60, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 60, 90) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 47.966, 8.153 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, 60, 90) }
```

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

```
.border{ border-color:rgb(170, 60, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 60, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 60, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 60, 90);  
box-shadow:4px 4px 4px 4px rgb(170, 60,  
90) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 47.966, 8.153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 60, 90) }
```

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

```
.background{ background-color: rgb(170, 60,  
90) }
```

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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