

Converting Colors

CIELCh(47, 53.220, 34.105)

Have a look what the booklet for
CIELCh(47, 53.220, 34.105) contains.

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Color

CIELCh(47, 53.198, 34.167)

Conversions

Conversions Part 1

Format	Color
Hex	BB4C40
RGB	187, 76, 64
RGB Percent	73%, 30%, 25%
CMY	0.2680, 0.7031, 0.7500
CMYK	0.00, 0.59, 0.66, 0.27
HSL	6°, 49%, 49%
HSV	6°, 66%, 73%
XYZ	23.8950, 16.0195, 6.6455
YIQ	107.8210, 70.0080, 19.8000

Conversions

Conversions Part 2

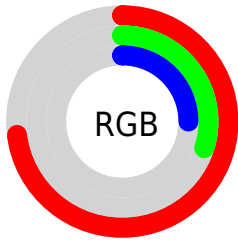
Format	Color
RYB	187, 77, 64
Decimal	12274752
CIELab	47.00, 44.02, 29.88
CIELCh	47, 53.198, 34.167
Yxy	16.0195, 0.5132, 0.3441
Android (android.graphics.Color)	4290464832 (0xFFBB4C40)
YUV	107.8210, -21.6038, 69.4400
Hunter-Lab	40.0243, 36.5242, 18.1727

Details

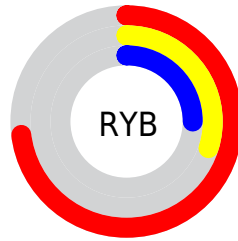
The CIELCh color **47, 53.198, 34.167** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **66, 31.230, 209.452**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 53.124, 34.372**, and **27, 53.204, 34.082** is the 20% darker color. If you saturate the color by 10%, you get **44, 62.638, 36.279**, and if you desaturate by 10%, it is **51, 43.787, 32.428**.

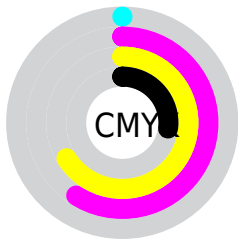
Distribution



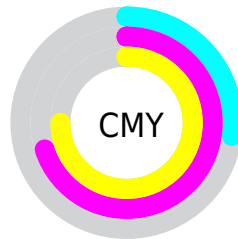
- Red (73%)
- Green (30%)
- Blue (25%)



- Red (73%)
- Yellow (30%)
- Blue (25%)



- Cyan (0%)
- Magenta (59%)
- Yellow (66%)
- Black (27%)



- Cyan (27%)
- Magenta (70%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 53.198, 34.167 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 47, 53.198, 34.167 by changing the saturation by 10% instead.

■ 47, 53.198, 34.167

■ 47, 53.198, 34.167

■ 100, 53.198,
34.167

■ 37, 53.198, 34.167

■ 67, 53.198, 34.167

■ 27, 53.198, 34.167

■ 77, 53.198, 34.167

■ 17, 53.198, 34.167

■ 87, 53.198, 34.167

■ 7, 53.198, 34.167

■ 97, 53.198, 34.167

■ 0, 53.198, 34.167

■ 47, 53.198, 34.167

■ 47, 53.198, 34.167

■ 44, 62.638, 36.279

■ 51, 43.787, 32.428

■ 42, 71.537, 38.530

■ 55, 34.705, 31.076

40, 78.672, 40.280

59, 26.111, 30.064

40, 81.250, 41.127

63, 18.083, 29.325

68, 10.641, 28.791

73, 3.770, 28.352

78, 2.570, 208.473

83, 8.428, 208.200

88, 13.856,
208.115

Harmonies

Complementary

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



47, 53.198, 34.167



66, 31.230, 209.452

Rectangle

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



47, 53.198, 34.167



47, 53.198, 84.167



47, 53.198, 214.167



47, 53.198, 264.167

Sweetspot

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



47, 53.196, 34.170



84, 16.903, 29.009



49, 71.509, 330.399



43, 11.762, 29.164



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



47, 53.196, 34.170



56, 81.117, 37.287



60, 46.853, 74.897



37, 3.738, 28.512



33, 71.425, 41.103



3, 11.472, 25.417

Inverse Universe

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



66, 31.230, 209.452



82, 41.382, 210.824



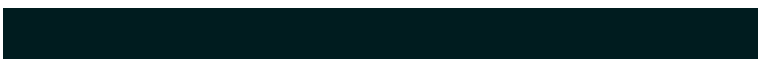
48, 43.297, 278.102



39, 3.520, 208.264



54, 31.316, 213.441



8, 10.267, 210.571

Previews

White Background



This preview shows how the CIELCh color 47, 53.198, 34.167 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 CIELCh color 47, 53.198, 34.167 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

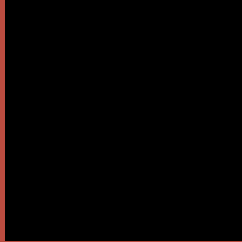
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 53.198, 34.167

Background



This preview shows how black text looks on a background with the CIELCh color 47, 53.198, 34.167.



This preview shows how white text looks on a background with the CIELCh color 47, 53.198, 34.167.

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

47, 53.198, 34.167

Protanopia

47, 20.868, 96.030

Deuteranopia

47, 32.475, 78.931



Tritanopia
47, 50.660, 25.024

Trichromacy



Original Color
47, 53.198, 34.167

Protanomaly
46, 27.471, 56.064

Deuteranomaly
47, 36.944, 55.782

Tritanomaly
47, 51.320, 28.557

Monochromacy



Original Color
47, 53.198, 34.167

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 18.433, 29.033

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 53.198, 34.167 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(187, 76, 64)` looks like.

```
.text, #text, p{  
    color:rgb(187, 76, 64)  
}
```

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(187, 76, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 76, 64) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 53.198, 34.167 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(187, 76, 64) }
```

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

```
.border{ border-color:rgb(187, 76, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 76, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 76, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 76, 64);  
box-shadow:4px 4px 4px 4px rgb(187, 76,  
64) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 53.198, 34.167 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 76, 64) }
```

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

```
.background{ background-color: rgb(187, 76,  
64) }
```

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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