

Converting Colors

CIELCh(42, 65.442, 47.316)

Have a look what the booklet for
CIELCh(42, 65.442, 47.316) contains.

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Color

CIELCh(42, 65.552, 47.016)

Conversions

Conversions Part 1

Format	Color
Hex	AF3D11
RGB	175, 61, 17
RGB Percent	69%, 24%, 7%
CMY	0.3136, 0.7606, 0.9332
CMYK	0.00, 0.65, 0.90, 0.31
HSL	17°, 82%, 38%
HSV	17°, 90%, 69%
XYZ	19.4598, 12.5000, 1.9188
YIQ	90.0700, 82.0680, 10.4840

Conversions

Conversions Part 2

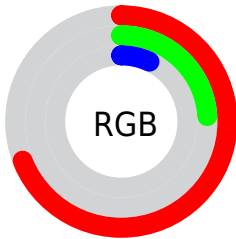
Format	Color
RYB	175, 78, 17
Decimal	11484433
CIELab	42.00, 44.69, 47.95
CIELCh	42, 65.552, 47.016
Yxy	12.5000, 0.5744, 0.3690
Android (android.graphics.Color)	4289674513 (0xFFAF3D11)
YUV	90.0700, -36.0235, 74.4836
Hunter-Lab	35.3553, 36.3755, 21.5310

Details

The CIELCh color **42, 65.552, 47.016** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **51, 34.020, 247.322**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **62, 65.312, 47.295**, and **22, 55.584, 37.281** is the 20% darker color. If you saturate the color by 10%, you get **40, 72.008, 46.562**, and if you desaturate by 10%, it is **44, 57.742, 47.195**.

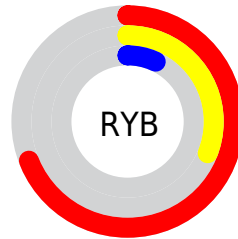
Distribution



Red (69%)

Green (24%)

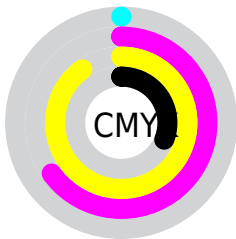
Blue (7%)



Red (69%)

Yellow (31%)

Blue (7%)

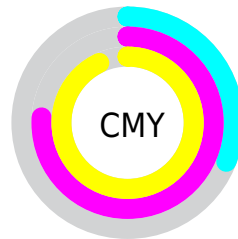


Cyan (0%)

Magenta (65%)

Yellow (90%)

Black (31%)



Cyan (31%)

Magenta (76%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 65.552, 47.016 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, 65.552, 47.016 by changing the saturation by 10% instead.

■ 42, 65.552, 47.016

■ 42, 65.552, 47.016

■ 100, 65.552,
47.016

■ 32, 65.552, 47.016

■ 62, 65.552, 47.016

■ 22, 65.552, 47.016

■ 72, 65.552, 47.016

■ 12, 65.552, 47.016

■ 82, 65.552, 47.016

■ 2, 65.552, 47.016

■ 92, 65.552, 47.016

■ 0, 65.552, 47.016

■ 42, 65.552, 47.016

■ 42, 65.552, 47.016

■ 40, 72.008, 46.562

■ 44, 57.742, 47.195

■ 47, 49.301, 47.086

50, 40.913, 46.985

53, 32.884, 47.000

57, 25.337, 47.154

60, 18.307, 47.436

64, 11.787, 47.820

68, 5.746, 48.262

71, 0.141, 45.584

Harmonies

Complementary

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



42, 65.552, 47.016



51, 34.020, 247.322

Rectangle

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



42, 65.552, 47.016



42, 65.552, 97.016



42, 65.552, 227.016



42, 65.552, 277.016

Sweetspot

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



42, 65.550, 47.018



78, 19.950, 47.535



40, 70.287, 340.952



40, 13.730, 47.418



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



42, 65.550, 47.018



52, 87.992, 46.021



59, 61.352, 86.643



35, 3.132, 48.304



34, 64.088, 46.923



3, 6.525, 42.666

Inverse Universe

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



51, 34.020, 247.322



63, 43.652, 252.724



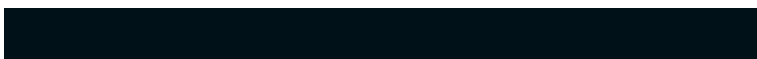
29, 76.230, 298.398



35, 2.976, 229.595



43, 31.797, 251.131



4, 6.416, 239.737

Previews

White Background



This preview shows how the CIELCh color 42, 65.552, 47.016 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 42, 65.552, 47.016 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, 65.552, 47.016

Background



This preview shows how black text looks on a background with the CIELCh color 42, 65.552, 47.016.



This preview shows how white text looks on a background with the CIELCh color 42, 65.552, 47.016.

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, 65.552, 47.016

Protanopia

42, 41.024, 95.694

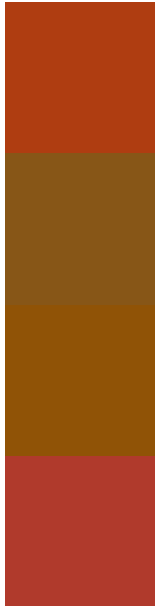
Deuteranopia

42, 49.917, 84.486



Tritanopia
42, 54.715, 27.761

Trichromacy



Original Color
42, 65.552, 47.016

Protanomaly
41, 44.858, 70.473

Deuteranomaly
41, 52.726, 67.184

Tritanomaly
42, 58.646, 36.450

Monochromacy



Original Color
42, 65.552, 47.016

Achromatopsia
38, 0.005, 296.813

Achromatomaly
38, 22.867, 46.784

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 65.552, 47.016 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(175, 61, 17)` looks like.

```
.text, #text, p{  
    color:rgb(175, 61, 17)  
}
```

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(175, 61, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 61, 17) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 65.552, 47.016 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(175, 61, 17) }
```

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

```
.border{ border-color:rgb(175, 61, 17) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 61, 17)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 61, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 61, 17);  
box-shadow:4px 4px 4px 4px rgb(175, 61,  
17) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 65.552, 47.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 61, 17) }
```

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

```
.background{ background-color: rgb(175, 61,  
17) }
```

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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