

Converting Colors

CIELCh(47, 66.658, 57.045)

Have a look what the booklet for
CIELCh(47, 66.658, 57.045) contains.

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Color

CIELCh(47, 66.699, 57.115)

Conversions

Conversions Part 1

Format	Color
Hex	B55302
RGB	181, 83, 2
RGB Percent	71%, 33%, 1%
CMY	0.2901, 0.6744, 0.9921
CMYK	0.00, 0.54, 0.99, 0.29
HSL	27°, 98%, 36%
HSV	27°, 99%, 71%
XYZ	22.1662, 16.0195, 1.9818
YIQ	103.0680, 84.4090, -4.4150

Conversions

Conversions Part 2

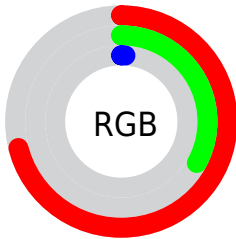
Format	Color
R_{YB}	181, 150, 2
Decimal	11883266
CIE _{Lab}	47.00, 36.21, 56.01
CIE _{LCh}	47, 66.699, 57.115
Yxy	16.0195, 0.5518, 0.3988
Android (android.graphics.Color)	4290073346 (0xFFB55302)
YUV	103.0680, -49.8265, 68.3464
Hunter-Lab	40.0243, 28.8141, 25.0813

Details

The CIELCh color **47, 66.699, 57.115** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **42, 50.097, 278.428**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 66.527, 56.869**, and **27, 53.675, 46.549** is the 20% darker color. If you saturate the color by 10%, you get **47, 67.312, 56.910**, and if you desaturate by 10%, it is **49, 61.377, 59.326**.

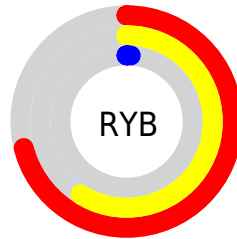
Distribution



Red (71%)

Green (33%)

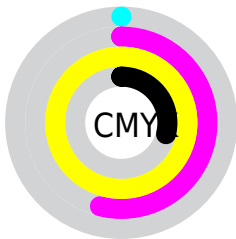
Blue (1%)



Red (71%)

Yellow (59%)

Blue (1%)

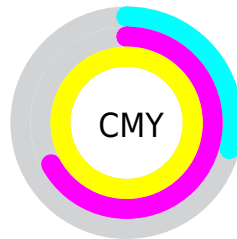


Cyan (0%)

Magenta (54%)

Yellow (99%)

Black (29%)



Cyan (29%)

Magenta (67%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 66.699, 57.115 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, 66.699, 57.115 by changing the saturation by 10% instead.

47, 66.699, 57.115

47, 66.699, 57.115

100, 66.699,
57.115

37, 66.699, 57.115

67, 66.699, 57.115

27, 66.699, 57.115

77, 66.699, 57.115

17, 66.699, 57.115

87, 66.699, 57.115

7, 66.699, 57.115

97, 66.699, 57.115

0, 66.699, 57.115

47, 66.699, 57.115

47, 66.699, 57.115

47, 67.312, 56.910

49, 61.377, 59.326

51, 54.650, 60.998

■ 54, 47.127, 62.297

■ 56, 39.445, 63.452

■ 59, 31.925, 64.567

■ 62, 24.710, 65.682

■ 65, 17.852, 66.806

■ 68, 11.353, 67.932

■ 71, 5.197, 69.032

Harmonies

Complementary

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



47, 66.699, 57.115



42, 50.097, 278.428

Rectangle

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



47, 66.699, 57.115



47, 66.699, 107.115



47, 66.699, 237.115



47, 66.699, 287.115

Sweetspot

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



47, 66.697, 57.117



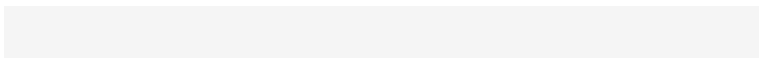
82, 22.996, 66.623



39, 66.197, 356.904



42, 15.858, 66.157



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



47, 66.697, 57.117



60, 82.108, 56.230



69, 72.027, 99.643



36, 3.280, 68.986



40, 59.254, 57.449



4, 7.510, 57.934

Inverse Universe

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



42, 50.097, 278.428



54, 62.449, 279.785



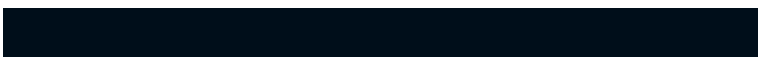
22, 100.650, 305.577



36, 3.188, 251.309



35, 44.196, 278.234



3, 8.446, 261.949

Previews

White Background



This preview shows how the CIELCh color 47, 66.699, 57.115 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, 66.699, 57.115 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, 66.699, 57.115

Background



This preview shows how black text looks on a background with the CIELCh color 47, 66.699, 57.115.



This preview shows how white text looks on a background with the CIELCh color 47, 66.699, 57.115.

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, 66.699, 57.115

Protanopia

47, 49.441, 95.389

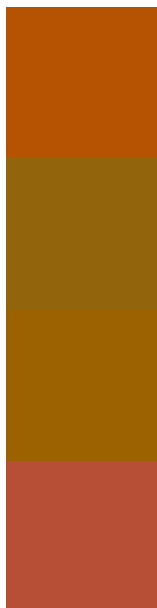
Deuteranopia

47, 54.248, 83.574



Tritanopia
47, 47.299, 23.493

Trichromacy



Original Color
47, 66.699, 57.115

Protanomaly
46, 51.994, 77.702

Deuteranomaly
47, 56.948, 72.381

Tritanomaly
47, 53.515, 41.499

Monochromacy



Original Color
47, 66.699, 57.115

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 24.881, 65.554

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 66.699, 57.115 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(181, 83, 2)` looks like.

```
.text, #text, p{  
    color:rgb(181, 83, 2)  
}
```

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(181, 83, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 83, 2) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 66.699, 57.115 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(181, 83, 2) }
```

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

```
.border{ border-color:rgb(181, 83, 2) }
```

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

Here you see how a box with a 4 pixel rgb(181, 83, 2) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 83, 2); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 83, 2);  
box-shadow:4px 4px 4px 4px rgb(181, 83, 2)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 47, 66.699, 57.115 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 83, 2) }
```

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

```
.background{ background-color: rgb(181, 83,  
2) }
```

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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