

Converting Colors

CIELCh(47, 65.798, 48.534)

Have a look what the booklet for
CIELCh(47, 65.798, 48.534) contains.

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Color

CIELCh(47, 65.881, 48.519)

Conversions

Conversions Part 1

Format	Color
Hex	BD4B1A
RGB	189, 75, 26
RGB Percent	74%, 29%, 10%
CMY	0.2573, 0.7046, 0.8968
CMYK	0.00, 0.60, 0.86, 0.26
HSL	18°, 76%, 42%
HSV	18°, 86%, 74%
XYZ	23.8091, 16.0195, 2.8330
YIQ	103.5000, 83.6730, 8.9290

Conversions

Conversions Part 2

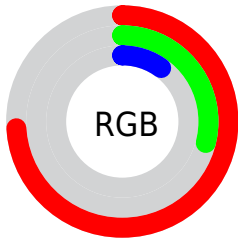
Format	Color
R_{YB}	189, 96, 26
Decimal	12405530
CIE _{Lab}	47.00, 43.64, 49.36
CIE _{LCh}	47, 65.881, 48.519
Yxy	16.0195, 0.5581, 0.3755
Android (android.graphics.Color)	4290595610 (0xFFBD4B1A)
YUV	103.5000, -38.2075, 74.9835
Hunter-Lab	40.0243, 36.1411, 23.8203

Details

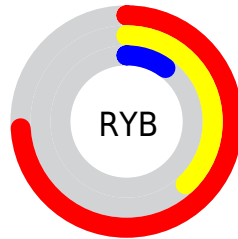
The CIELCh color **47, 65.881, 48.519** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **55, 36.177, 249.732**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 65.950, 48.739**, and **27, 58.960, 41.906** is the 20% darker color. If you saturate the color by 10%, you get **45, 73.024, 47.648**, and if you desaturate by 10%, it is **50, 57.317, 48.783**.

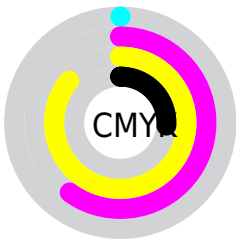
Distribution



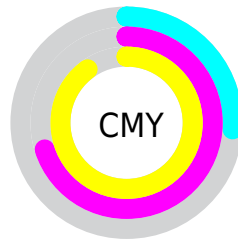
- Red (74%)
- Green (29%)
- Blue (10%)



- Red (74%)
- Yellow (38%)
- Blue (10%)



- Cyan (0%)
- Magenta (60%)
- Yellow (86%)
- Black (26%)



- Cyan (26%)
- Magenta (70%)
- Yellow (90%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 65.881, 48.519 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, 65.881, 48.519 by changing the saturation by 10% instead.

■ 47, 65.881, 48.519

■ 47, 65.881, 48.519

■ 100, 65.881,
48.519

■ 37, 65.881, 48.519

■ 67, 65.881, 48.519

■ 27, 65.881, 48.519

■ 77, 65.881, 48.519

■ 17, 65.881, 48.519

■ 87, 65.881, 48.519

■ 7, 65.881, 48.519

■ 97, 65.881, 48.519

■ 0, 65.881, 48.519

■ 47, 65.881, 48.519

■ 47, 65.881, 48.519

■ 45, 73.024, 47.648

■ 50, 57.317, 48.783

■ 44, 75.624, 47.396

■ 53, 48.406, 48.871

56, 39.696, 48.995

59, 31.423, 49.227

63, 23.675, 49.578

67, 16.467, 50.032

70, 9.778, 50.563

74, 3.569, 51.093

78, 2.205, 232.112

Harmonies

Complementary

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



47, 65.881, 48.519



55, 36.177, 249.732

Rectangle

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



47, 65.881, 48.519



47, 65.881, 98.519



47, 65.881, 228.519



47, 65.881, 278.519

Sweetspot

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



47, 65.879, 48.522



85, 20.400, 50.016



44, 72.195, 342.459



44, 14.132, 49.847



99, 0.012, 296.813



52, 0.007, 296.813

Same Dimension

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



47, 65.879, 48.522



57, 92.988, 46.857



66, 64.840, 89.869



38, 3.345, 50.935



37, 65.833, 47.856



4, 10.339, 40.420

Inverse Universe

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



55, 36.177, 249.732



67, 48.315, 257.231



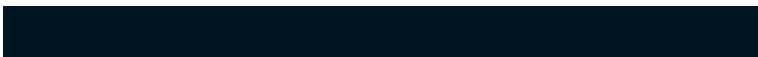
32, 80.801, 298.759



38, 3.183, 232.415



44, 34.098, 255.559



6, 9.677, 245.417

Previews

White Background



This preview shows how the CIELCh color 47, 65.881, 48.519 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, 65.881, 48.519 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, 65.881, 48.519

Background



This preview shows how black text looks on a background with the CIELCh color 47, 65.881, 48.519.



This preview shows how white text looks on a background with the CIELCh color 47, 65.881, 48.519.

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, 65.881, 48.519

Protanopia

47, 42.542, 95.131

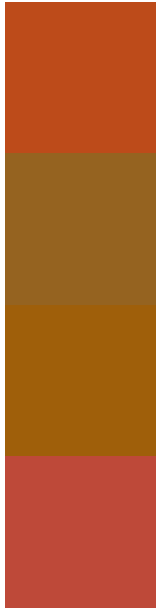
Deuteranopia

47, 54.248, 83.574



Tritanopia
47, 53.839, 25.870

Trichromacy



Original Color
47, 65.881, 48.519

Protanomaly
46, 46.265, 72.060

Deuteranomaly
46, 56.018, 68.589

Tritanomaly
47, 57.210, 36.311

Monochromacy



Original Color
47, 65.881, 48.519

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 22.257, 49.803

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 65.881, 48.519 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(189, 75, 26)` looks like.

```
.text, #text, p{  
    color:rgb(189, 75, 26)  
}
```

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(189, 75, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 75, 26) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 65.881, 48.519 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(189, 75, 26) }
```

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

```
.border{ border-color:rgb(189, 75, 26) }
```

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

Here you see how a box with a 4 pixel rgb(189, 75, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 75, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 75, 26);  
box-shadow:4px 4px 4px 4px rgb(189, 75,  
26) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 65.881, 48.519 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 75, 26) }
```

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

```
.background{ background-color: rgb(189, 75,  
26) }
```

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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