

Converting Colors

CIELCh(47, 50.299, 45.963)

Have a look what the booklet for
CIELCh(47, 50.299, 45.963) contains.

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Color

CIELCh(47, 50.407, 45.973)

Conversions

Conversions Part 1

Format	Color
Hex	B15534
RGB	177, 85, 52
RGB Percent	69%, 33%, 20%
CMY	0.3070, 0.6676, 0.7969
CMYK	0.00, 0.52, 0.71, 0.31
HSL	16°, 55%, 45%
HSV	16°, 71%, 69%
XYZ	21.9118, 16.0195, 5.1604
YIQ	108.7460, 65.4250, 9.2410

Conversions

Conversions Part 2

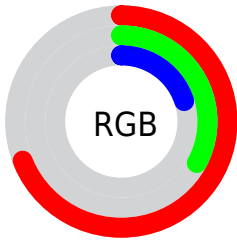
Format	Color
R_{YB}	177, 97, 52
Decimal	11621684
CIE _{Lab}	47.00, 35.03, 36.24
CIE _{LCh}	47, 50.407, 45.973
Yxy	16.0195, 0.5085, 0.3718
Android (android.graphics.Color)	4289811764 (0xFFB15534)
YUV	108.7460, -27.9758, 59.8588
Hunter-Lab	40.0243, 27.6796, 20.3727

Details

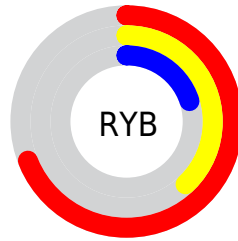
The CIELCh color **47, 50.407, 45.973** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **56, 29.819, 237.443**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 50.157, 46.236**, and **27, 50.308, 45.820** is the 20% darker color. If you saturate the color by 10%, you get **44, 58.975, 46.234**, and if you desaturate by 10%, it is **50, 41.870, 45.737**.

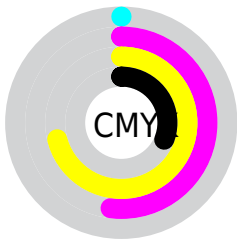
Distribution



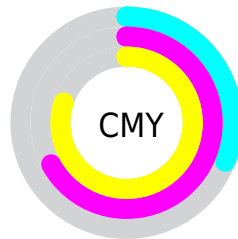
- Red (69%)
- Green (33%)
- Blue (20%)



- Red (69%)
- Yellow (38%)
- Blue (20%)



- Cyan (0%)
- Magenta (52%)
- Yellow (71%)
- Black (31%)



- Cyan (31%)
- Magenta (67%)
- Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 50.407, 45.973 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, 50.407, 45.973 by changing the saturation by 10% instead.

■ 47, 50.407, 45.973

■ 47, 50.407, 45.973

■ 100, 50.407,
45.973

■ 37, 50.407, 45.973

■ 67, 50.407, 45.973

■ 27, 50.407, 45.973

■ 77, 50.407, 45.973

■ 17, 50.407, 45.973

■ 87, 50.407, 45.973

■ 7, 50.407, 45.973

■ 97, 50.407, 45.973

■ 0, 50.407, 45.973

■ 47, 50.407, 45.973

■ 47, 50.407, 45.973

■ 44, 58.975, 46.234

■ 50, 41.870, 45.737

■ 42, 66.858, 46.201

■ 53, 33.693, 45.630

40, 73.077, 45.914

57, 26.004, 45.676

60, 18.845, 45.863

64, 12.210, 46.164

68, 6.068, 46.533

72, 0.378, 45.831

76, 4.907, 227.717

80, 9.830, 228.230

Harmonies

Complementary

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



47, 50.407, 45.973



56, 29.819, 237.443

Rectangle

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



47, 50.407, 45.973



47, 50.407, 95.973



47, 50.407, 225.973



47, 50.407, 275.973

Sweetspot

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



47, 50.405, 45.976



81, 15.362, 46.141



44, 64.269, 337.735



42, 10.498, 46.053



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



47, 50.405, 45.976



56, 77.419, 46.283



62, 51.925, 88.251



36, 3.222, 46.583



35, 65.405, 46.240



3, 7.744, 39.923

Inverse Universe

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



56, 29.819, 237.443



68, 40.299, 243.000



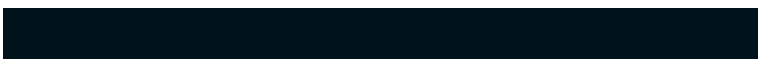
38, 57.340, 291.450



36, 3.056, 227.758



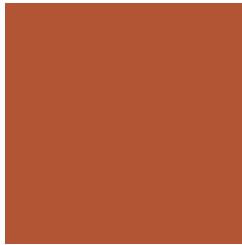
44, 31.619, 248.340



5, 7.506, 239.083

Previews

White Background



This preview shows how the CIELCh color 47, 50.407, 45.973 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, 50.407, 45.973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

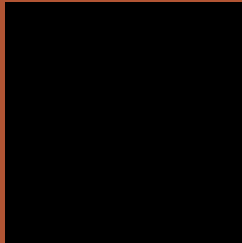
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 47, 50.407, 45.973

Background



This preview shows how black text looks on a background with the CIELCh color 47, 50.407, 45.973.



This preview shows how white text looks on a background with the CIELCh color 47, 50.407, 45.973.

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, 50.407, 45.973

Protanopia

47, 29.902, 96.115

Deuteranopia

47, 38.105, 81.184



Tritanopia
47, 43.160, 22.296

Trichromacy



Original Color
47, 50.407, 45.973

Protanomaly
47, 33.124, 69.858

Deuteranomaly
47, 40.404, 65.168

Tritanomaly
47, 45.038, 31.468

Monochromacy



Original Color
47, 50.407, 45.973

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 17.026, 45.467

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 50.407, 45.973 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(177, 85, 52)` looks like.

```
.text, #text, p{  
    color:rgb(177, 85, 52)  
}
```

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(177, 85, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 85, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 50.407, 45.973 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(177, 85, 52) }
```

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

```
.border{ border-color:rgb(177, 85, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 85, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 85, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 85, 52);  
box-shadow:4px 4px 4px 4px rgb(177, 85,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 50.407, 45.973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 85, 52) }
```

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

```
.background{ background-color: rgb(177, 85,  
52) }
```

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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