

Converting Colors

CIELCh(47, 54.163, 55.721)

Have a look what the booklet for
CIELCh(47, 54.163, 55.721) contains.

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Color

CIELCh(47, 53.767, 55.972)

Conversions

Conversions Part 1

Format	Color
Hex	AC5923
RGB	172, 89, 35
RGB Percent	67%, 35%, 14%
CMY	0.3258, 0.6512, 0.8630
CMYK	0.00, 0.48, 0.80, 0.33
HSL	24°, 66%, 41%
HSV	24°, 80%, 67%
XYZ	20.8686, 16.0195, 3.5780
YIQ	107.6610, 66.8020, 0.8020

Conversions

Conversions Part 2

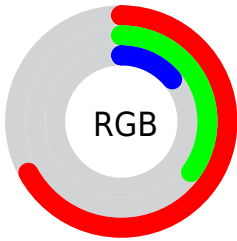
Format	Color
RYB	172, 124, 35
Decimal	11295011
CIELab	47.00, 30.09, 44.56
CIELCh	47, 53.767, 55.972
Yxy	16.0195, 0.5157, 0.3959
Android (android.graphics.Color)	4289485091 (0xFFAC5923)
YUV	107.6610, -35.8219, 56.4253
Hunter-Lab	40.0243, 23.0271, 22.7167

Details

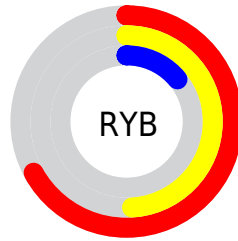
The CIELCh color **47, 53.767, 55.972** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **47, 36.039, 261.723**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 53.476, 55.820**, and **27, 49.066, 51.617** is the 20% darker color. If you saturate the color by 10%, you get **45, 60.697, 54.688**, and if you desaturate by 10%, it is **50, 46.158, 56.904**.

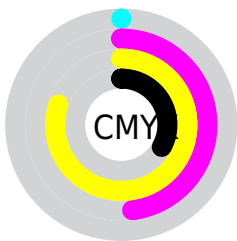
Distribution



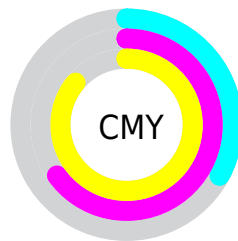
- Red (67%)
- Green (35%)
- Blue (14%)



- Red (67%)
- Yellow (49%)
- Blue (14%)



- Cyan (0%)
- Magenta (48%)
- Yellow (80%)
- Black (33%)



- Cyan (33%)
- Magenta (65%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 47, 53.767, 55.972 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, 53.767, 55.972 by changing the saturation by 10% instead.

■ 47, 53.767, 55.972

■ 47, 53.767, 55.972

■ 100, 53.767,
55.972

■ 37, 53.767, 55.972

■ 67, 53.767, 55.972

■ 27, 53.767, 55.972

■ 77, 53.767, 55.972

■ 17, 53.767, 55.972

■ 87, 53.767, 55.972

■ 7, 53.767, 55.972

■ 97, 53.767, 55.972

■ 0, 53.767, 55.972

■ 47, 53.767, 55.972

■ 47, 53.767, 55.972

■ 45, 60.697, 54.688

■ 50, 46.158, 56.904

■ 43, 66.500, 53.002

■ 52, 38.497, 57.724

43, 66.702, 52.966

55, 31.081, 58.545

58, 24.037, 59.404

61, 17.401, 60.305

64, 11.171, 61.238

67, 5.322, 62.170

70, 0.180, 245.461

74, 5.369, 244.291

Harmonies

Complementary

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



47, 53.767, 55.972



47, 36.039, 261.723

Rectangle

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



47, 53.767, 55.972



47, 53.767, 105.972



47, 53.767, 235.972



47, 53.767, 285.972

Sweetspot

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



47, 53.765, 55.975



80, 17.184, 60.792



40, 61.982, 346.571



41, 11.923, 60.471



95, 0.011, 296.813



47, 0.006, 296.813

Same Dimension

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



47, 53.765, 55.975



56, 79.425, 53.095



64, 60.557, 96.608



35, 3.133, 62.203



37, 60.253, 53.391



3, 6.388, 54.227

Inverse Universe

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



47, 36.039, 261.723



56, 51.633, 270.252



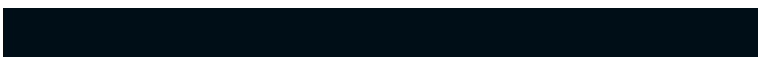
29, 76.077, 300.092



35, 3.019, 244.278



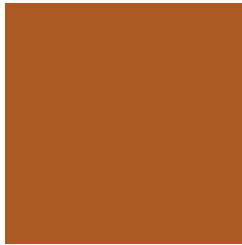
37, 38.800, 270.653



3, 6.795, 254.345

Previews

White Background



This preview shows how the CIELCh color 47, 53.767, 55.972 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, 53.767, 55.972 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, 53.767, 55.972

Background



This preview shows how black text looks on a background with the CIELCh color 47, 53.767, 55.972.



This preview shows how white text looks on a background with the CIELCh color 47, 53.767, 55.972.

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, 53.767, 55.972

Protanopia

47, 40.204, 95.651

Deuteranopia

47, 46.171, 82.087



Tritanopia
47, 40.317, 20.709

Trichromacy



Original Color
47, 53.767, 55.972

Protanomaly
47, 41.943, 78.348

Deuteranomaly
47, 47.602, 71.627

Tritanomaly
47, 43.237, 36.960

Monochromacy



Original Color
47, 53.767, 55.972

Achromatopsia
46, 0.006, 296.813

Achromatomaly
45, 18.380, 60.240

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 53.767, 55.972 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(172, 89, 35)` looks like.

```
.text, #text, p{  
    color:rgb(172, 89, 35)  
}
```

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(172, 89, 35) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 89, 35) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 53.767, 55.972 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(172, 89, 35) }
```

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

```
.border{ border-color:rgb(172, 89, 35) }
```

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

Here you see how a box with a 4 pixel rgb(172, 89, 35) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 89, 35); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 89, 35);  
box-shadow:4px 4px 4px 4px rgb(172, 89,  
35) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 53.767, 55.972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 89, 35) }
```

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

```
.background{ background-color: rgb(172, 89,  
35) }
```

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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