

Converting Colors

CIELCh(45, 54.190, 41.860)

Have a look what the booklet for
CIELCh(45, 54.190, 41.860) contains.

CIELCh(45, 54.075, 41.675)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 54.075, 41.675)

Conversions

Conversions Part 1

Format	Color
Hex	B14A30
RGB	177, 74, 48
RGB Percent	69%, 29%, 19%
CMY	0.3045, 0.7086, 0.8107
CMYK	0.00, 0.58, 0.73, 0.30
HSL	12°, 57%, 44%
HSV	12°, 73%, 70%
XYZ	21.2196, 14.5417, 4.5136
YIQ	101.8330, 69.7340, 13.7500

Conversions

Conversions Part 2

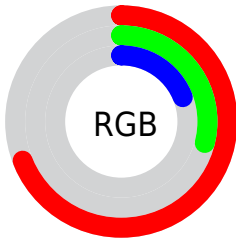
Format	Color
RYB	177, 81, 48
Decimal	11618864
CIELab	45.00, 40.39, 35.95
CIELCh	45, 54.075, 41.675
Yxy	14.5417, 0.5269, 0.3611
Android (android.graphics.Color)	4289808944 (0xFFB14A30)
YUV	101.8330, -26.5397, 65.9215
Hunter-Lab	38.1336, 32.5932, 19.6758

Details

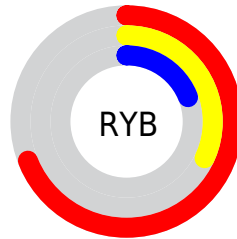
The CIELCh color **45, 54.075, 41.675** is a dark color, and the websafe version is hex **CC6633**, and the color name is **birch brown (kabacha)**. A complement of this color would be **58, 30.025, 227.230**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 54.190, 41.860**, and **25, 54.033, 41.601** is the 20% darker color. If you saturate the color by 10%, you get **42, 62.839, 42.628**, and if you desaturate by 10%, it is **48, 45.207, 40.796**.

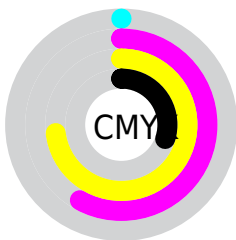
Distribution



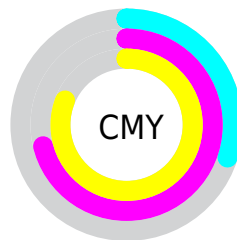
- Red (69%)
- Green (29%)
- Blue (19%)



- Red (69%)
- Yellow (32%)
- Blue (19%)



- Cyan (0%)
- Magenta (58%)
- Yellow (73%)
- Black (30%)



- Cyan (30%)
- Magenta (71%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 54.075, 41.675 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 45, 54.075, 41.675 by changing the saturation by 10% instead.

■ 45, 54.075, 41.675

■ 45, 54.075, 41.675

■ 100, 54.075,
41.675

■ 35, 54.075, 41.675

■ 65, 54.075, 41.675

■ 25, 54.075, 41.675

■ 75, 54.075, 41.675

■ 15, 54.075, 41.675

■ 85, 54.075, 41.675

■ 5, 54.075, 41.675

■ 95, 54.075, 41.675

■ 0, 54.075, 41.675

■ 45, 54.075, 41.675

■ 45, 54.075, 41.675

■ 42, 62.839, 42.628

■ 48, 45.207, 40.796

■ 40, 70.626, 43.241

■ 51, 36.640, 40.120

39, 75.440, 43.629

55, 28.547, 39.671

59, 20.997, 39.426

63, 14.002, 39.346

67, 7.541, 39.382

71, 1.577, 39.304

75, 3.938, 219.992

80, 9.050, 220.224

Harmonies

Complementary

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



45, 54.075, 41.675



58, 30.025, 227.230

Rectangle

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



45, 54.075, 41.675



45, 54.075, 91.675



45, 54.075, 221.675



45, 54.075, 271.675

Sweetspot

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



45, 54.073, 41.678



80, 16.643, 39.346



44, 67.819, 335.550



41, 11.293, 39.352



96, 0.011, 296.813



48, 0.006, 296.813

Same Dimension

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



45, 54.073, 41.678



53, 81.823, 43.060



60, 51.914, 83.966



36, 3.311, 39.405



33, 67.254, 43.805



3, 7.976, 34.475

Inverse Universe

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



58, 30.025, 227.230



71, 39.346, 231.686



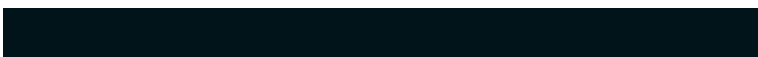
39, 55.209, 289.134



37, 3.128, 220.041



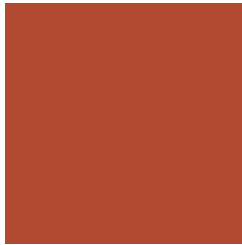
47, 29.989, 235.306



5, 7.504, 229.512

Previews

White Background



This preview shows how the CIELCh color 45, 54.075, 41.675 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 CIE LCh color 45, 54.075, 41.675 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 45, 54.075, 41.675

Background



This preview shows how black text looks on a background with the CIELCh color 45, 54.075, 41.675.



This preview shows how white text looks on a background with the CIELCh color 45, 54.075, 41.675.

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

45, 54.075, 41.675

Protanopia

45, 28.460, 95.613

Deuteranopia

45, 38.092, 81.501



Tritanopia
45, 48.760, 24.832

Trichromacy



Original Color
45, 54.075, 41.675

Protanomaly
44, 33.061, 65.149

Deuteranomaly
45, 41.159, 62.664

Tritanomaly
45, 50.123, 31.569

Monochromacy



Original Color
45, 54.075, 41.675

Achromatopsia
43, 0.006, 296.813

Achromatomaly
43, 18.074, 40.557

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 54.075, 41.675 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, 74, 48)` looks like.

```
.text, #text, p{  
    color:rgb(177, 74, 48)  
}
```

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, 74, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 74, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 54.075, 41.675 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, 74, 48) }
```

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

```
.border{ border-color:rgb(177, 74, 48) }
```

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

Here you see how a box with a 4 pixel rgb(177, 74, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 74, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 74, 48);  
box-shadow:4px 4px 4px 4px rgb(177, 74,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 54.075, 41.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 74, 48) }
```

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

```
.background{ background-color: rgb(177, 74,  
48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor