

Converting Colors

CIELCh(46, 54.819, 43.159)

Have a look what the booklet for
CIELCh(46, 54.819, 43.159) contains.

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Color

CIELCh(46, 54.710, 42.931)

Conversions

Conversions Part 1

Format	Color
Hex	B44D30
RGB	180, 77, 48
RGB Percent	71%, 30%, 19%
CMY	0.2934, 0.6974, 0.8112
CMYK	0.00, 0.57, 0.73, 0.29
HSL	13°, 58%, 45%
HSV	13°, 73%, 71%
XYZ	22.0653, 15.2687, 4.5952
YIQ	104.4910, 70.6970, 12.8170

Conversions

Conversions Part 2

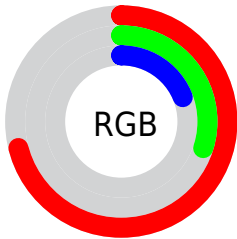
Format	Color
R_{YB}	180, 85, 48
Decimal	11816240
CIE Lab	46.00, 40.06, 37.26
CIE LCh	46, 54.710, 42.931
Yxy	15.2687, 0.5263, 0.3642
Android (android.graphics.Color)	4290006320 (0xFFB44D30)
YUV	104.4910, -27.8501, 66.2214
Hunter-Lab	39.0751, 32.4156, 20.3801

Details

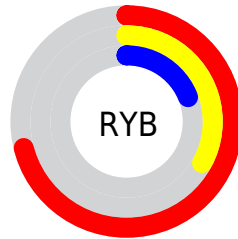
The CIELCh color **46, 54.710, 42.931** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **58, 30.514, 230.533**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 54.523, 42.732**, and **26, 54.900, 43.169** is the 20% darker color. If you saturate the color by 10%, you get **43, 63.507, 43.664**, and if you desaturate by 10%, it is **49, 45.787, 42.229**.

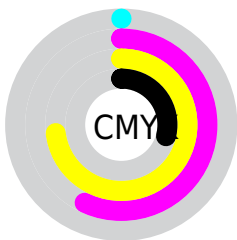
Distribution



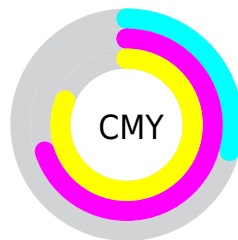
- Red (71%)
- Green (30%)
- Blue (19%)



- Red (71%)
- Yellow (33%)
- Blue (19%)



- Cyan (0%)
- Magenta (57%)
- Yellow (73%)
- Black (29%)



- Cyan (29%)
- Magenta (70%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 54.710, 42.931 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 46, 54.710, 42.931 by changing the saturation by 10% instead.

■ 46, 54.710, 42.931

■ 46, 54.710, 42.931

■ 100, 54.710,
42.931

■ 36, 54.710, 42.931

■ 66, 54.710, 42.931

■ 26, 54.710, 42.931

■ 76, 54.710, 42.931

■ 16, 54.710, 42.931

■ 86, 54.710, 42.931

■ 6, 54.710, 42.931

■ 96, 54.710, 42.931

■ 0, 54.710, 42.931

■ 46, 54.710, 42.931

■ 46, 54.710, 42.931

■ 43, 63.507, 43.664

■ 49, 45.787, 42.229

■ 41, 71.263, 44.004

■ 52, 37.164, 41.700

40, 75.760, 44.192

56, 29.019, 41.375

60, 21.421, 41.239

64, 14.382, 41.257

68, 7.878, 41.385

72, 1.870, 41.434

76, 3.688, 222.160

80, 8.845, 222.457

Harmonies

Complementary

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



46, 54.710, 42.931



58, 30.514, 230.533

Rectangle

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



46, 54.710, 42.931



46, 54.710, 92.931



46, 54.710, 222.931



46, 54.710, 272.931

Sweetspot

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



46, 54.708, 42.934



82, 16.777, 41.265



44, 68.184, 336.378



42, 11.387, 41.245



96, 0.011, 296.813



49, 0.007, 296.813

Same Dimension

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



46, 54.708, 42.934



55, 83.517, 43.964



61, 53.341, 85.234



36, 3.280, 41.446



34, 66.748, 44.450



3, 7.901, 36.022

Inverse Universe

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



58, 30.514, 230.533



71, 40.401, 235.666



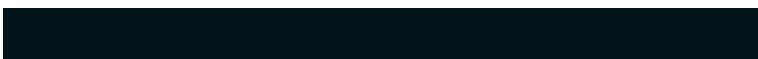
39, 57.768, 290.353



37, 3.101, 222.241



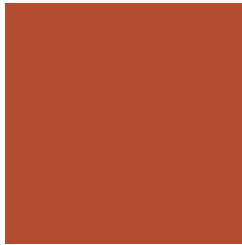
46, 30.308, 239.174



5, 7.483, 232.351

Previews

White Background



This preview shows how the CIELCh color 46, 54.710, 42.931 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 46, 54.710, 42.931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

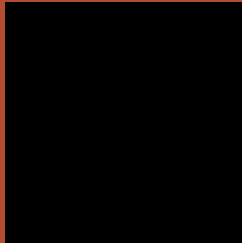
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 54.710, 42.931

Background



This preview shows how black text looks on a background with the CIELCh color 46, 54.710, 42.931.



This preview shows how white text looks on a background with the CIELCh color 46, 54.710, 42.931.

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

46, 54.710, 42.931

Protanopia

46, 30.511, 96.112

Deuteranopia

46, 39.396, 80.758



Tritanopia
46, 48.867, 24.101

Trichromacy



Original Color
46, 54.710, 42.931

Protanomaly
45, 34.691, 67.251

Deuteranomaly
46, 42.580, 62.696

Tritanomaly
46, 50.087, 31.956

Monochromacy



Original Color
46, 54.710, 42.931

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 18.222, 42.192

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 54.710, 42.931 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(180, 77, 48)` looks like.

```
.text, #text, p{  
    color:rgb(180, 77, 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(180, 77, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 77, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 54.710, 42.931 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(180, 77, 48) }
```

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

```
.border{ border-color:rgb(180, 77, 48) }
```

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

Here you see how a box with a 4 pixel rgb(180, 77, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 77, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 77, 48);  
box-shadow:4px 4px 4px 4px rgb(180, 77,  
48) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 54.710, 42.931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 77, 48) }
```

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

```
.background{ background-color: rgb(180, 77,  
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](#).

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