

Converting Colors

CIELCh(46, 68.548, 51.551)

Have a look what the booklet for
CIELCh(46, 68.548, 51.551) contains.

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Color

CIELCh(46, 68.744, 51.606)

Conversions

Conversions Part 1

Format	Color
Hex	BA4A0A
RGB	186, 74, 10
RGB Percent	73%, 29%, 4%
CMY	0.2721, 0.7110, 0.9625
CMYK	0.00, 0.60, 0.95, 0.27
HSL	22°, 90%, 38%
HSV	22°, 95%, 73%
XYZ	22.6383, 15.2687, 2.0283
YIQ	100.1920, 87.2960, 3.8400

Conversions

Conversions Part 2

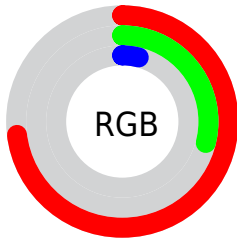
Format	Color
R _Y B	186, 111, 10
Decimal	12208650
CIE Lab	46.00, 42.69, 53.88
CIE LCh	46, 68.744, 51.606
Yxy	15.2687, 0.5669, 0.3823
Android (android.graphics.Color)	4290398730 (0xFFBA4A0A)
YUV	100.1920, -44.4647, 75.2536
Hunter-Lab	39.0751, 35.0331, 24.2750

Details

The CIELCh color **46, 68.744, 51.606** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **49, 41.582, 264.613**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 68.776, 51.465**, and **26, 57.849, 41.665** is the 20% darker color. If you saturate the color by 10%, you get **45, 71.907, 50.877**, and if you desaturate by 10%, it is **48, 61.955, 53.038**.

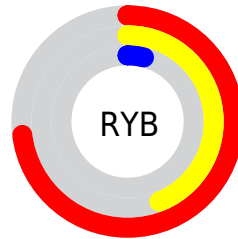
Distribution



Red (73%)

Green (29%)

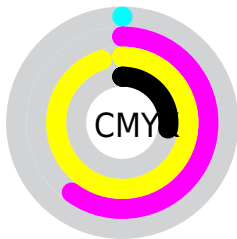
Blue (4%)



Red (73%)

Yellow (44%)

Blue (4%)

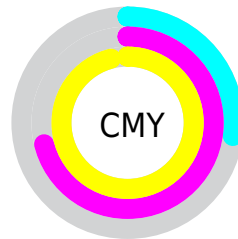


Cyan (0%)

Magenta (60%)

Yellow (95%)

Black (27%)



Cyan (27%)

Magenta (71%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 68.744, 51.606 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, 68.744, 51.606 by changing the saturation by 10% instead.

■ 46, 68.744, 51.606

■ 46, 68.744, 51.606

■ 100, 68.744,
51.606

■ 36, 68.744, 51.606

■ 66, 68.744, 51.606

■ 26, 68.744, 51.606

■ 76, 68.744, 51.606

■ 16, 68.744, 51.606

■ 86, 68.744, 51.606

■ 6, 68.744, 51.606

■ 96, 68.744, 51.606

■ 0, 68.744, 51.606

■ 46, 68.744, 51.606

■ 46, 68.744, 51.606

■ 45, 71.907, 50.877

■ 48, 61.955, 53.038

■ 51, 53.901, 53.879

■ 54, 45.527, 54.519

■ 57, 37.321, 55.139

■ 60, 29.497, 55.808

■ 63, 22.133, 56.542

■ 67, 15.241, 57.334

■ 70, 8.802, 58.163

■ 74, 2.779, 58.937

Harmonies

Complementary

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



46, 68.744, 51.606



49, 41.582, 264.613

Rectangle

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



46, 68.744, 51.606



46, 68.744, 101.606



46, 68.744, 231.606



46, 68.744, 281.606

Sweetspot

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



46, 68.742, 51.608



83, 21.589, 57.042



41, 70.247, 347.547



43, 15.255, 56.700



98, 0.011, 296.813



51, 0.007, 296.813

Same Dimension

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



46, 68.742, 51.608



58, 88.325, 50.253



66, 68.079, 92.654



37, 3.266, 58.616



38, 62.807, 51.392



4, 8.776, 47.400

Inverse Universe

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



49, 41.582, 264.613



61, 53.446, 268.064



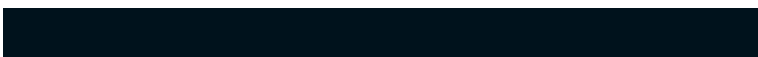
26, 92.686, 302.853



37, 3.134, 240.538



40, 37.604, 266.366



5, 9.052, 253.666

Previews

White Background



This preview shows how the CIELCh color 46, 68.744, 51.606 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, 68.744, 51.606 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, 68.744, 51.606

Background



This preview shows how black text looks on a background with the CIELCh color 46, 68.744, 51.606.



This preview shows how white text looks on a background with the CIELCh color 46, 68.744, 51.606.

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, 68.744, 51.606

Protanopia

46, 47.471, 95.230

Deuteranopia

46, 53.449, 83.771



Tritanopia
46, 53.152, 25.883

Trichromacy



Original Color
46, 68.744, 51.606

Protanomaly
45, 50.457, 74.473

Deuteranomaly
46, 56.670, 69.206

Tritanomaly
46, 58.042, 38.801

Monochromacy



Original Color
46, 68.744, 51.606

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 24.409, 55.124

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 68.744, 51.606 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(186, 74, 10)` looks like.

```
.text, #text, p{  
    color:rgb(186, 74, 10)  
}
```

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(186, 74, 10) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 74, 10) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 68.744, 51.606 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(186, 74, 10) }
```

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

```
.border{ border-color:rgb(186, 74, 10) }
```

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

Here you see how a box with a 4 pixel rgb(186, 74, 10) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 74, 10); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 74, 10);  
box-shadow:4px 4px 4px 4px rgb(186, 74,  
10) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 68.744, 51.606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 74, 10) }
```

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

```
.background{ background-color: rgb(186, 74,  
10) }
```

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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