

Converting Colors

CIELCh(46, 19.246, 85.452)

Have a look what the booklet for
CIELCh(46, 19.246, 85.452) contains.

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Color

CIELCh(46, 19.220, 85.275)

Conversions

Conversions Part 1

Format	Color
Hex	7B6B4D
RGB	123, 107, 77
RGB Percent	48%, 42%, 30%
CMY	0.5176, 0.5803, 0.6980
CMYK	0.00, 0.13, 0.37, 0.52
HSL	39°, 23%, 39%
HSV	39°, 37%, 48%
XYZ	14.7719, 15.2687, 9.1937
YIQ	108.3640, 19.1660, -5.9380

Conversions

Conversions Part 2

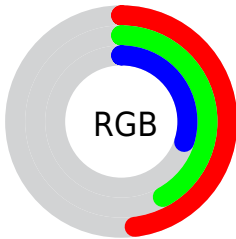
Format	Color
RYB	102, 123, 77
Decimal	8088397
CIELab	46.00, 1.58, 19.15
CIElCh	46, 19.220, 85.275
Yxy	15.2687, 0.3765, 0.3892
Android (android.graphics.Color)	4286278477 (0xFF7B6B4D)
YUV	108.3640, -15.4625, 12.8358
Hunter-Lab	39.0751, -0.9018, 13.4027

Details

The CIELCh color $46, 19.220, 85.275$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $39, 18.954, 275.803$, and the grayscale version is $46, 0.006, 296.813$.

A 20% lighter version of the original color is $66, 19.216, 85.295$, and $26, 19.376, 85.795$ is the 20% darker color. If you saturate the color by 10%, you get $45, 24.564, 83.946$, and if you desaturate by 10%, it is $47, 13.939, 86.576$.

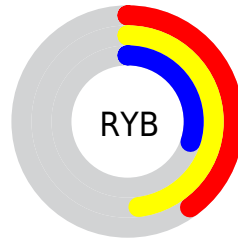
Distribution



Red (48%)

Green (42%)

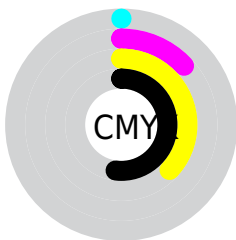
Blue (30%)



Red (40%)

Yellow (48%)

Blue (30%)

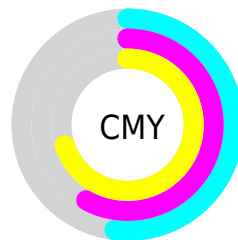


Cyan (0%)

Magenta (13%)

Yellow (37%)

Black (52%)



Cyan (52%)



















Magenta (58%)

Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 19.220, 85.275 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, 19.220, 85.275 by changing the saturation by 10% instead.

 46, 19.220, 85.275	 46, 19.220, 85.275
 100, 19.220, 85.275	 36, 19.220, 85.275
 66, 19.220, 85.275	 26, 19.220, 85.275
 76, 19.220, 85.275	 16, 19.220, 85.275
 86, 19.220, 85.275	 6, 19.220, 85.275
 96, 19.220, 85.275	 0, 19.220, 85.275
 46, 19.220, 85.275	 46, 19.220, 85.275
 45, 24.564, 83.946	 47, 13.939, 86.576
 43, 29.901, 82.569	 49, 8.753, 87.832

■ 42, 35.100, 81.127

■ 50, 3.676, 89.028

■ 41, 39.925, 79.575

■ 52, 1.291, 270.395

■ 39, 43.994, 77.818

■ 54, 6.150, 271.424

■ 38, 47.183, 75.852

■ 55, 10.909,
272.502

■ 38, 48.111, 75.403

■ 57, 15.574,
273.538

■ 58, 20.153,
274.528

■ 60, 24.654,
275.469

Harmonies

Complementary

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



46, 19.220, 85.275



39, 18.954, 275.803

Rectangle

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



46, 19.220, 85.275



46, 19.220, 135.275



46, 19.220, 265.275



46, 19.220, 315.275

Sweetspot

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



46, 19.221, 85.280



64, 6.838, 88.575



38, 21.882, 356.632



33, 4.636, 88.445



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

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



46, 19.221, 85.280



58, 28.989, 84.120



50, 26.490, 113.392



25, 2.795, 88.836



38, 48.651, 75.353



75, 81.870, 73.649

Inverse Universe

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



39, 18.954, 275.803



48, 28.552, 277.701



35, 28.863, 299.493



24, 2.792, 271.125



21, 54.376, 294.477



44, 96.788, 296.497

Previews

White Background



This preview shows how the CIELCh color 46, 19.220, 85.275 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 46, 19.220, 85.275 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

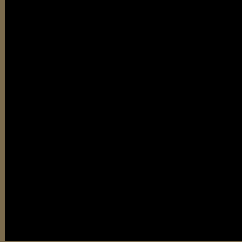
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 19.220, 85.275

Background



This preview shows how black text looks on a background with the CIELCh color 46, 19.220, 85.275.



This preview shows how white text looks on a background with the CIELCh color 46, 19.220, 85.275.

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, 19.220, 85.275

Protanopia

46, 18.595, 96.361

Deuteranopia

46, 19.695, 70.620



Tritanopia
46, 11.025, 355.473

Trichromacy



Original Color
46, 19.220, 85.275

Protanomaly
46, 18.393, 91.903

Deuteranomaly
46, 19.039, 75.906

Tritanomaly
46, 9.977, 37.610

Monochromacy



Original Color
46, 19.220, 85.275

Achromatopsia
46, 0.006, 296.813

Achromatomaly
46, 6.849, 91.075

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 19.220, 85.275 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(123, 107, 77)` looks like.

```
.text, #text, p{  
    color:rgb(123, 107, 77)  
}
```

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(123, 107, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 107, 77) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 19.220, 85.275 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(123, 107, 77) }
```

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

```
.border{ border-color:rgb(123, 107, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 107, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 107, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 107, 77);  
box-shadow:4px 4px 4px 4px rgb(123, 107,  
77) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 19.220, 85.275 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 107, 77) }
```

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

```
.background{ background-color: rgb(123,  
107, 77) }
```

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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