

Converting Colors

CIELCh(46, 28.004, 99.561)

Have a look what the booklet for
CIELCh(46, 28.004, 99.561) contains.

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Color

CIELCh(46, 28.038, 99.523)

Conversions

Conversions Part 1

Format	Color
Hex	756E3E
RGB	117, 110, 62
RGB Percent	46%, 43%, 24%
CMY	0.5414, 0.5688, 0.7570
CMYK	0.00, 0.06, 0.47, 0.54
HSL	52°, 31%, 35%
HSV	52°, 47%, 46%
XYZ	13.7697, 15.2687, 6.7731
YIQ	106.6210, 19.5800, -13.4440

Conversions

Conversions Part 2

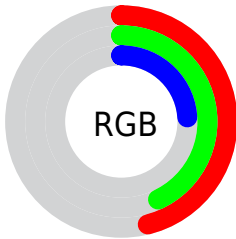
Format	Color
R_{YB}	70, 117, 62
Decimal	7695934
CIE Lab	46.00, -4.64, 27.65
CIE LCh	46, 28.038, 99.523
Yxy	15.2687, 0.3845, 0.4264
Android (android.graphics.Color)	4285886014 (0xFF756E3E)
YUV	106.6210, -21.9982, 9.1024
Hunter-Lab	39.0751, -5.4796, 17.0756

Details

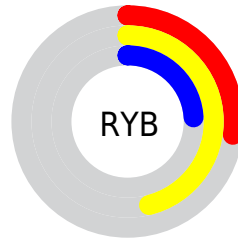
The CIELCh color **46, 28.038, 99.523** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **31, 30.575, 291.259**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 27.611, 99.277**, and **26, 28.137, 100.015** is the 20% darker color. If you saturate the color by 10%, you get **45, 33.640, 98.473**, and if you desaturate by 10%, it is **47, 22.203, 100.590**.

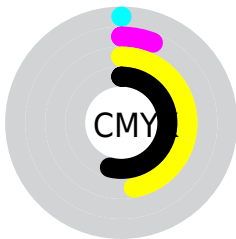
Distribution



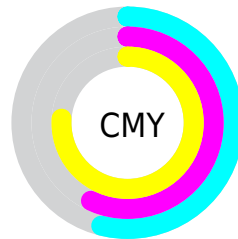
- Red (46%)
- Green (43%)
- Blue (24%)



- Red (27%)
- Yellow (46%)
- Blue (24%)



- Cyan (0%)
- Magenta (6%)
- Yellow (47%)
- Black (54%)



- Cyan (54%)
- Magenta (57%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 28.038, 99.523 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, 28.038, 99.523 by changing the saturation by 10% instead.

■ 46, 28.038, 99.523

■ 46, 28.038, 99.523

■ 100, 28.038,
99.523

■ 36, 28.038, 99.523

■ 66, 28.038, 99.523

■ 26, 28.038, 99.523

■ 76, 28.038, 99.523

■ 16, 28.038, 99.523

■ 86, 28.038, 99.523

■ 6, 28.038, 99.523

■ 96, 28.038, 99.523

■ 0, 28.038, 99.523

■ 46, 28.038, 99.523











■ 46, 28.038, 99.523

■ 45, 33.640, 98.473

■ 47, 22.203,
100.590

■ 45, 38.831, 97.444

■ 47, 16.246,

 44, 43.352, 96.447	101.652
 44, 46.863, 95.489	 48, 10.235, 102.701
 43, 49.322, 94.563	 49, 4.214, 103.721
 43, 50.081, 94.296	 49, 1.793, 284.789
	 50, 7.771, 285.726
	 51, 13.710, 286.655
	 52, 19.605, 287.548
	 53, 25.453, 288.399

Harmonies

Complementary

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



46, 28.038, 99.523



31, 30.575, 291.259

Rectangle

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



46, 28.038, 99.523



46, 28.038, 149.523



46, 28.038, 279.523



46, 28.038, 329.523

Sweetspot

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



46, 28.039, 99.526



62, 10.487, 102.976



33, 25.587, 14.173



32, 7.199, 102.798



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



46, 28.039, 99.526



59, 41.144, 98.429



46, 32.787, 121.950



24, 3.388, 103.520



45, 51.721, 94.250



87, 87.329, 93.717

Inverse Universe

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



31, 30.575, 291.259



36, 46.252, 293.487



31, 35.762, 307.166



23, 3.439, 285.427



14, 70.906, 303.690



34, 124.726, 304.753

Previews

White Background



This preview shows how the CIELCh color 46, 28.038, 99.523 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, 28.038, 99.523 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

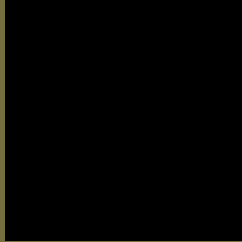
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 46, 28.038, 99.523

Background



This preview shows how black text looks on a background with the CIELCh color 46, 28.038, 99.523.



This preview shows how white text looks on a background with the CIELCh color 46, 28.038, 99.523.

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, 28.038, 99.523

Protanopia

46, 27.841, 95.590

Deuteranopia

46, 28.076, 77.282



Tritanopia
46, 8.812, 347.995

Trichromacy



Original Color
46, 28.038, 99.523

Protanomaly
46, 27.749, 96.546

Deuteranomaly
46, 27.232, 85.155

Tritanomaly
46, 9.396, 68.702

Monochromacy



Original Color
46, 28.038, 99.523

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 10.142, 101.370

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 28.038, 99.523 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(117, 110, 62)` looks like.

```
.text, #text, p{  
    color:rgb(117, 110, 62)  
}
```

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(117, 110, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 110, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 28.038, 99.523 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(117, 110, 62) }
```

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

```
.border{ border-color:rgb(117, 110, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 110, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 110, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 110, 62);  
box-shadow:4px 4px 4px 4px rgb(117, 110,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 28.038, 99.523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 110, 62) }
```

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

```
.background{ background-color: rgb(117,  
110, 62) }
```

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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