

Converting Colors

CIELCh(46, 7.960, 117.447)

Have a look what the booklet for
CIELCh(46, 7.960, 117.447) contains.

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Color

CIELCh(46, 7.736, 115.387)

Conversions

Conversions Part 1

Format	Color
Hex	6C6E61
RGB	108, 110, 97
RGB Percent	42%, 43%, 38%
CMY	0.5756, 0.5678, 0.6188
CMYK	0.02, 0.00, 0.12, 0.57
HSL	69°, 6%, 41%
HSV	69°, 12%, 43%
XYZ	13.9788, 15.2687, 13.5727
YIQ	107.9200, 2.9810, -4.4670

Conversions

Conversions Part 2

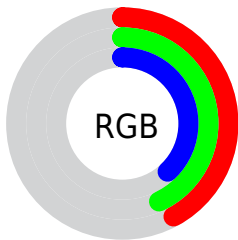
Format	Color
R_{YB}	97, 110, 99
Decimal	7106145
CIE Lab	46.00, -3.32, 6.99
CIE LCh	46, 7.736, 115.387
Yxy	15.2687, 0.3265, 0.3566
Android (android.graphics.Color)	4285296225 (0xFF6C6E61)
YUV	107.9200, -5.3836, 0.0702
Hunter-Lab	39.0751, -4.5248, 6.7583

Details

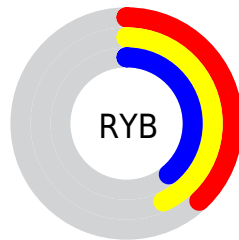
The CIELCh color **46, 7.736, 115.387** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 7.931, 297.092**, and the grayscale version is **46, 0.006, 296.813**.

A 20% lighter version of the original color is **66, 7.817, 117.988**, and **26, 7.855, 115.506** is the 20% darker color. If you saturate the color by 10%, you get **46, 14.256, 114.686**, and if you desaturate by 10%, it is **46, 1.176, 116.086**.

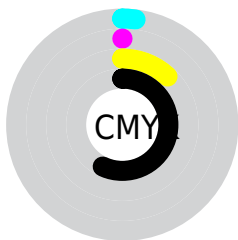
Distribution



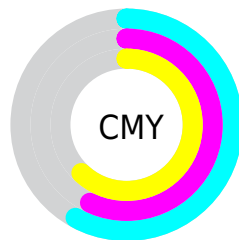
- Red (42%)
- Green (43%)
- Blue (38%)



- Red (38%)
- Yellow (43%)
- Blue (39%)



- Cyan (2%)
- Magenta (0%)
- Yellow (12%)
- Black (57%)



- Cyan (58%)
- Magenta (57%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 46, 7.736, 115.387 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, 7.736, 115.387 by changing the saturation by 10% instead.

■ 46, 7.736, 115.387

■ 46, 7.736, 115.387

■ 100, 7.736,
115.387

■ 36, 7.736, 115.387

■ 66, 7.736, 115.387

■ 26, 7.736, 115.387

■ 76, 7.736, 115.387

■ 16, 7.736, 115.387

■ 86, 7.736, 115.387

■ 6, 7.736, 115.387

■ 96, 7.736, 115.387

■ 0, 7.736, 115.387

■ 46, 7.736, 115.387

■ 46, 7.736, 115.387

■ 46, 14.256,
114.686

■ 46, 1.176, 116.086

■ 45, 20.688,

■ 47, 5.395, 296.766

113.981

47, 11.956,
297.414

45, 26.967,
113.298

48, 18.489,
298.031

45, 32.993,
112.665

49, 24.982,
298.615

44, 38.622,
112.120

49, 31.426,
299.166

44, 43.649,
111.716

50, 37.813,
299.683

44, 47.812,
111.519

51, 44.138,
300.166

44, 50.848,
111.596

51, 50.397,
300.616

44, 53.007,
111.719

Harmonies

Complementary

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



46, 7.736, 115.387



42, 7.931, 297.092

Rectangle

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



46, 7.736, 115.387



46, 7.736, 165.387



46, 7.736, 295.387



46, 7.736, 345.387

Sweetspot

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



46, 7.737, 115.393



59, 3.242, 115.929



43, 4.847, 33.836



30, 2.289, 115.888



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



46, 7.737, 115.393



59, 11.347, 115.212



45, 8.512, 133.667



23, 3.743, 115.588



47, 56.282, 111.796



92, 96.277, 112.282

Inverse Universe

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



42, 7.931, 297.092



52, 11.690, 297.303



42, 8.604, 314.582



21, 3.817, 296.871



13, 75.549, 307.137



32, 129.657, 306.818

Previews

White Background



This preview shows how the CIELCh color 46, 7.736, 115.387 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, 7.736, 115.387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

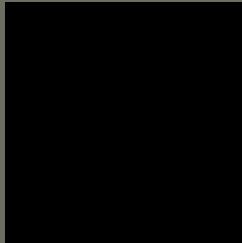
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

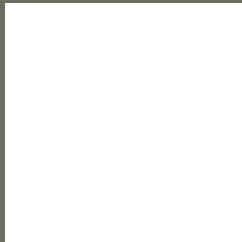
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 46, 7.736, 115.387

Background



This preview shows how black text looks on a background with the CIELCh color 46, 7.736, 115.387.



This preview shows how white text looks on a background with the CIELCh color 46, 7.736, 115.387.

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, 7.736, 115.387

Protanopia

46, 7.974, 93.483

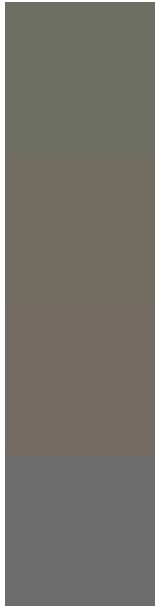
Deuteranopia

46, 8.836, 48.014



Tritanopia
46, 4.924, 304.916

Trichromacy



Original Color

46, 7.736, 115.387

Protanomaly

46, 7.789, 99.606

Deuteranomaly

46, 7.125, 67.937

Tritanomaly

46, 0.409, 18.589

Monochromacy



Original Color

46, 7.736, 115.387

Achromatopsia

46, 0.006, 296.813

Achromatomaly

46, 2.993, 117.706

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 46, 7.736, 115.387 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(108, 110, 97)` looks like.

```
.text, #text, p{  
    color:rgb(108, 110, 97)  
}
```

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(108, 110, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 110, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 46, 7.736, 115.387 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(108, 110, 97) }
```

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

```
.border{ border-color:rgb(108, 110, 97) }
```

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

Here you see how a box with a 4 pixel rgb(108, 110, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 110, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 110, 97);  
box-shadow:4px 4px 4px 4px rgb(108, 110,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 46, 7.736, 115.387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 110, 97) }
```

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

```
.background{ background-color: rgb(108,  
110, 97) }
```

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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