

Converting Colors

CIE LCh(16, 7.734, 71.337)

Have a look what the booklet for
CIELCh(16, 7.734, 71.337) contains.

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Color

CIELCh(16, 7.393, 68.624)

Conversions

Conversions Part 1

Format	Color
Hex	2F261E
RGB	47, 38, 30
RGB Percent	18%, 15%, 12%
CMY	0.8150, 0.8503, 0.8817
CMYK	0.00, 0.19, 0.36, 0.82
HSL	28°, 22%, 15%
HSV	28°, 36%, 18%
XYZ	2.1146, 2.0993, 1.5325
YIQ	39.7790, 7.9320, -0.5800

Conversions

Conversions Part 2

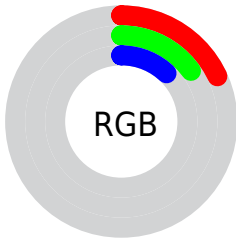
Format	Color
RYB	47, 45, 30
Decimal	3089950
CIELab	16.00, 2.69, 6.88
CIELCh	16, 7.393, 68.624
Yxy	2.0993, 0.3680, 0.3653
Android (android.graphics.Color)	4281280030 (0xFF2F261E)
YUV	39.7790, -4.8210, 6.3328
Hunter-Lab	14.4890, 0.6952, 3.8714

Details

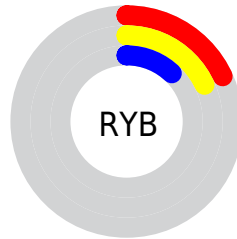
The CIELCh color **16, 7.393, 68.624** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **15, 6.709, 256.706**, and the grayscale version is **16, 0.003, 296.813**.

A 20% lighter version of the original color is **36, 7.189, 70.238**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **15, 9.650, 67.655**, and if you desaturate by 10%, it is **17, 5.229, 69.606**.

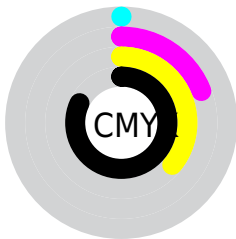
Distribution



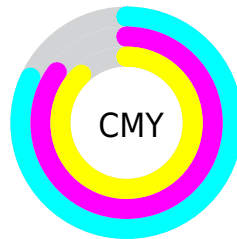
- Red (18%)
- Green (15%)
- Blue (12%)



- Red (18%)
- Yellow (18%)
- Blue (12%)



- Cyan (0%)
- Magenta (19%)
- Yellow (36%)
- Black (82%)




- Cyan (82%)
- Magenta (85%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 16, 7.393, 68.624 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 16, 7.393, 68.624 by changing the saturation by 10% instead.

 16, 7.393, 68.624  16, 7.393, 68.624

 100, 7.393, 68.624  6, 7.393, 68.624

 36, 7.393, 68.624  0, 7.393, 68.624

 46, 7.393, 68.624

 56, 7.393, 68.624

 66, 7.393, 68.624

 76, 7.393, 68.624

 86, 7.393, 68.624

 96, 7.393, 68.624

 16, 7.393, 68.624  16, 7.393, 68.624

■ 15, 9.650, 67.655	■ 17, 5.229, 69.606
■ 14, 11.996, 66.671	■ 18, 3.154, 70.568
■ 13, 14.081, 65.058	■ 19, 1.165, 71.462
■ 12, 15.722, 62.627	■ 20, 0.745, 252.737
■ 12, 17.089, 59.833	■ 21, 2.583, 253.542
■ 11, 18.473, 57.480	■ 22, 4.356, 254.441
■ 10, 19.023, 56.673	■ 23, 6.069, 255.330
	■ 24, 7.729, 256.196
	■ 25, 9.341, 257.037

Harmonies

Complementary

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



16, 7.393, 68.624



15, 6.709, 256.706

Rectangle

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



16, 7.393, 68.624



16, 7.393, 118.624



16, 7.393, 248.624



16, 7.393, 298.624

Sweetspot

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



16, 7.393, 68.632



25, 2.663, 70.984



14, 10.454, 344.542



11, 1.747, 70.988



65, 0.008, 296.813



12, 0.003, 296.813

Same Dimension

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



16, 7.393, 68.632



21, 11.198, 67.721



19, 11.130, 105.866



7, 0.948, 70.807



22, 36.969, 59.930



56, 75.885, 57.833

Inverse Universe

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



15, 6.709, 256.706



20, 9.875, 258.314



12, 11.901, 292.534



7, 0.965, 253.508



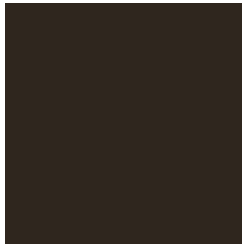
18, 28.882, 277.010



48, 60.224, 281.524

Previews

White Background



This preview shows how the CIELCh color 16, 7.393, 68.624 looks on a white background.

Color Contrast Check

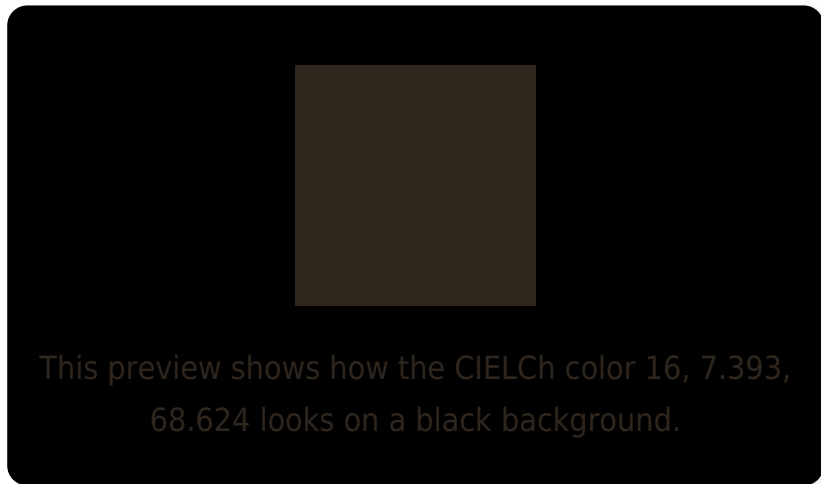
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

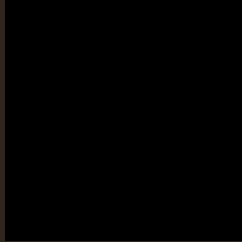
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 16, 7.393, 68.624

Background



This preview shows how black text looks on a background with the CIELCh color 16, 7.393, 68.624.



This preview shows how white text looks on a background with the CIELCh color 16, 7.393, 68.624.

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

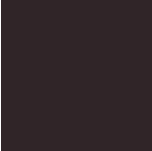
16, 7.393, 68.624

Protanopia

16, 6.454, 94.524

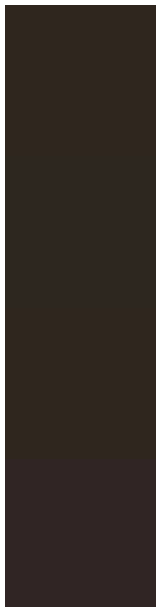
Deuteranopia

16, 7.393, 68.624



Tritanopia
16, 5.803, 359.781

Trichromacy



Original Color

16, 7.393, 68.624

Protanomaly

16, 6.421, 79.454

Deuteranomaly

16, 7.393, 68.624

Tritanomaly

16, 5.638, 27.768

Monochromacy



Original Color

16, 7.393, 68.624

Achromatopsia

16, 0.003, 296.813

Achromatomaly

16, 2.899, 65.835

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 16, 7.393, 68.624 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(47, 38, 30)` looks like.

```
.text, #text, p{  
    color:rgb(47, 38, 30)  
}
```

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(47, 38, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 38, 30) }
```

Border

The CSS property to change the border of an element to CIELCh 16, 7.393, 68.624 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(47, 38, 30) }
```

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

```
.border{ border-color:rgb(47, 38, 30) }
```

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

Here you see how a box with a 4 pixel rgb(47, 38, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 38, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 38, 30);  
box-shadow:4px 4px 4px 4px rgb(47, 38, 30)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 16, 7.393, 68.624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 38, 30) }
```

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

```
.background{ background-color: rgb(47, 38,  
30) }
```

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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