

Converting Colors

CIELCh(18, 7.221, 18.613)

Have a look what the booklet for
CIELCh(18, 7.221, 18.613) contains.

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Color

CIELCh(18, 7.495, 15.948)

Conversions

Conversions Part 1

Format	Color
Hex	372829
RGB	55, 40, 41
RGB Percent	22%, 16%, 16%
CMY	0.7832, 0.8421, 0.8382
CMYK	0.00, 0.27, 0.25, 0.78
HSL	356°, 16%, 19%
HSV	356°, 27%, 22%
XYZ	2.7640, 2.5180, 2.4628
YIQ	44.5990, 8.6190, 3.4910

Conversions

Conversions Part 2

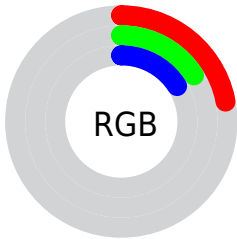
Format	Color
R_{YB}	55, 40, 41
Decimal	3614761
CIE Lab	18.00, 7.21, 2.06
CIE LCh	18, 7.495, 15.948
Yxy	2.5180, 0.3569, 0.3251
Android (android.graphics.Color)	4281804841 (0xFF372829)
YUV	44.5990, -1.7743, 9.1217
Hunter-Lab	15.8683, 3.3225, 1.9059

Details

The CIELCh color **18, 7.495, 15.948** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 6.553, 192.303**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 7.458, 15.757**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 10.541, 17.042**, and if you desaturate by 10%, it is **20, 4.599, 15.046**.

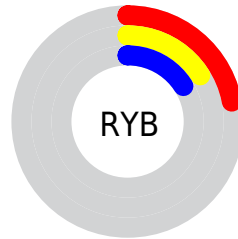
Distribution



Red (22%)

Green (16%)

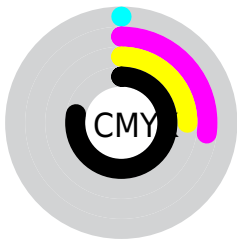
Blue (16%)



Red (22%)

Yellow (16%)

Blue (16%)

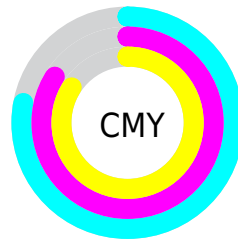


Cyan (0%)

Magenta (27%)

Yellow (25%)

Black (78%)



Cyan (78%)

Magenta (84%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 7.495, 15.948 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 18, 7.495, 15.948 by changing the saturation by 10% instead.

 18, 7.495, 15.948  18, 7.495, 15.948

 100, 7.495, 15.948  8, 7.495, 15.948

 38, 7.495, 15.948  0, 7.495, 15.948

 48, 7.495, 15.948

 58, 7.495, 15.948

 68, 7.495, 15.948

 78, 7.495, 15.948

 88, 7.495, 15.948

 98, 7.495, 15.948

 18, 7.495, 15.948  18, 7.495, 15.948

16, 10.541, 17.042

20, 4.599, 15.046

14, 13.717, 18.370

22, 1.862, 14.235

13, 16.983, 20.006

24, 0.716, 194.036

11, 20.251, 21.818

26, 3.143, 193.268

10, 23.183, 22.520

28, 5.429, 192.781

9, 25.708, 22.349

30, 7.586, 192.372

8, 28.343, 21.122

32, 9.625, 192.017

7, 29.118, 20.756

34, 11.559,
191.704

36, 13.398,
191.426

Harmonies

Complementary

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



18, 7.495, 15.948



22, 6.553, 192.303

Rectangle

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



18, 7.495, 15.948



18, 7.495, 65.948



18, 7.495, 195.948



18, 7.495, 245.948

Sweetspot

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



18, 7.494, 15.954



28, 2.587, 14.336



18, 12.123, 323.798



13, 1.805, 14.386



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



18, 7.494, 15.954



23, 11.515, 16.741



20, 6.169, 65.302



9, 1.464, 14.334



17, 44.890, 31.797



46, 90.632, 37.804

Inverse Universe

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



18, 7.494, 15.954



23, 11.515, 16.741



20, 5.648, 251.051



9, 1.464, 14.334



17, 44.890, 31.797



46, 90.632, 37.804

Previews

White Background



This preview shows how the CIELCh color 18, 7.495, 15.948 looks on a white background.

Color Contrast Check

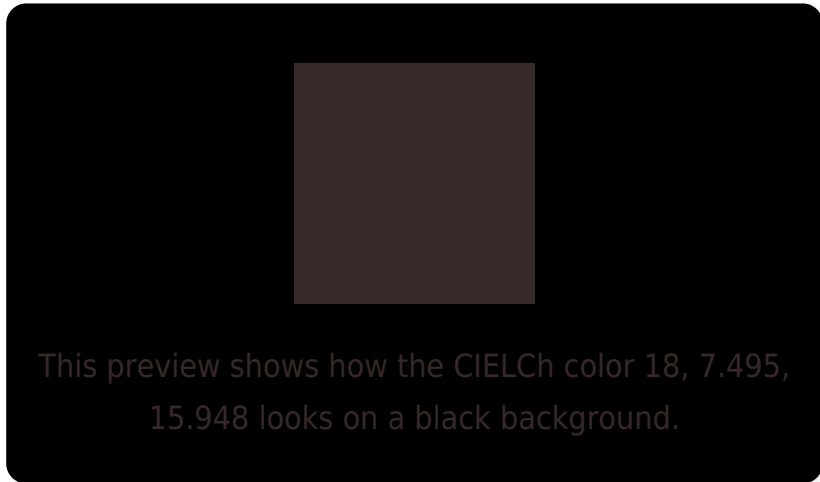
Large Text (above 18pt) WCAG AA ✓ Pass

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

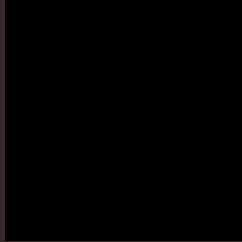
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 7.495, 15.948

Background



This preview shows how black text looks on a background with the CIELCh color 18, 7.495, 15.948.

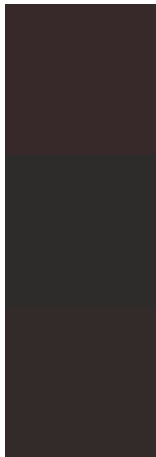


This preview shows how white text looks on a background with the CIELCh color 18, 7.495, 15.948.

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

18, 7.495, 15.948

Protanopia

18, 0.833, 74.827

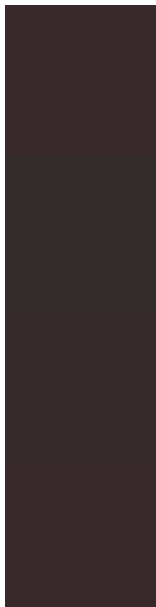
Deuteranopia

18, 3.722, 41.626



Tritanopia
18, 7.630, 5.659

Trichromacy



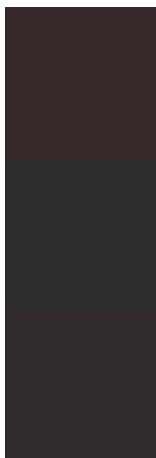
Original Color
18, 7.495, 15.948

Protanomaly
18, 3.012, 33.113

Deuteranomaly
18, 5.011, 28.291

Tritanomaly
18, 7.530, 10.755

Monochromacy



Original Color
18, 7.495, 15.948

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 2.976, 6.694

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 7.495, 15.948 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(55, 40, 41)` looks like.

```
.text, #text, p{  
    color:rgb(55, 40, 41)  
}
```

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(55, 40, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 40, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 7.495, 15.948 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(55, 40, 41) }
```

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

```
.border{ border-color:rgb(55, 40, 41) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 40, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 40, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 40, 41);  
box-shadow:4px 4px 4px 4px rgb(55, 40, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 7.495, 15.948 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 40, 41) }
```

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

```
.background{ background-color: rgb(55, 40,  
41) }
```

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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