

Converting Colors

CIELCh(18, 6.689, 20.923)

Have a look what the booklet for
CIELCh(18, 6.689, 20.923) contains.

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Color

CIELCh(18, 6.471, 20.867)

Conversions

Conversions Part 1

Format	Color
Hex	362929
RGB	54, 41, 41
RGB Percent	21%, 16%, 16%
CMY	0.7887, 0.8397, 0.8397
CMYK	0.00, 0.24, 0.24, 0.79
HSL	0°, 14%, 19%
HSV	0°, 24%, 21%
XYZ	2.7020, 2.5180, 2.4309
YIQ	44.8870, 7.7480, 2.7560

Conversions

Conversions Part 2

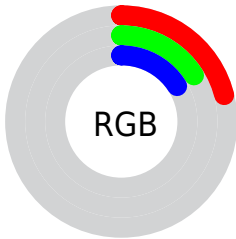
Format	Color
R_{YB}	54, 41, 41
Decimal	3549481
CIE Lab	18.00, 6.05, 2.30
CIE LCh	18, 6.471, 20.867
Yxy	2.5180, 0.3532, 0.3291
Android (android.graphics.Color)	4281739561 (0xFF362929)
YUV	44.8870, -1.9163, 7.9921
Hunter-Lab	15.8683, 2.6242, 2.0253




Details

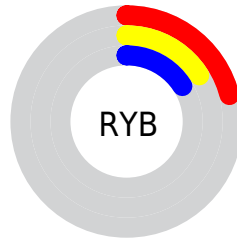
The CIELCh color **18, 6.471, 20.867** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 5.658, 198.382**, and the grayscale version is **18, 0.003, 296.813**.




A 20% lighter version of the original color is **38, 6.553, 20.291**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 9.454, 21.776**, and if you desaturate by 10%, it is **20, 3.664, 20.134**.

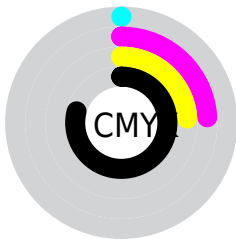
Distribution







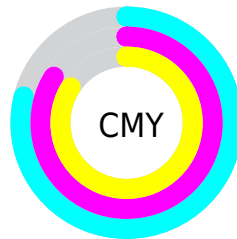
-  Red (21%)
-  Green (16%)
-  Blue (16%)






-  Red (21%)
-  Yellow (16%)
-  Blue (16%)



-  Cyan (0%)
-  Magenta (24%)
-  Yellow (24%)
-  Black (79%)



-  Cyan (79%)
-  Magenta (84%)
-  Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 6.471, 20.867 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, 6.471, 20.867 by changing the saturation by 10% instead.

■ 18, 6.471, 20.867 ■ 18, 6.471, 20.867

■ 100, 6.471, 20.867 ■ 8, 6.471, 20.867

■ 38, 6.471, 20.867 ■ 0, 6.471, 20.867

■ 48, 6.471, 20.867

■ 58, 6.471, 20.867

■ 68, 6.471, 20.867

■ 78, 6.471, 20.867

■ 88, 6.471, 20.867

■ 98, 6.471, 20.867

■ 18, 6.471, 20.867 ■ 18, 6.471, 20.867

16, 9.454, 21.776	20, 3.664, 20.134
14, 12.604, 22.901	22, 1.034, 19.407
13, 15.894, 24.310	24, 1.427, 199.308
11, 19.202, 25.594	26, 3.731, 198.831
10, 22.145, 25.484	28, 5.891, 198.495
9, 24.645, 24.717	30, 7.920, 198.224
8, 27.186, 23.537	32, 9.833, 198.000
7, 28.709, 22.851	33, 11.642, 197.813
	35, 13.358, 197.654

Harmonies

Complementary

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



18, 6.471, 20.867



21, 5.658, 198.382

Rectangle

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



18, 6.471, 20.867



18, 6.471, 70.867



18, 6.471, 200.867



18, 6.471, 250.867

Sweetspot

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



18, 6.470, 20.874



28, 2.181, 19.673



18, 10.732, 325.548



13, 1.431, 19.666



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, 6.470, 20.874



23, 9.750, 21.415



20, 5.480, 72.887



9, 1.459, 19.748



17, 46.058, 34.460



46, 93.317, 40.001

Inverse Universe

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



21, 5.658, 198.382



28, 8.204, 198.127



19, 5.192, 258.368



10, 1.395, 199.128



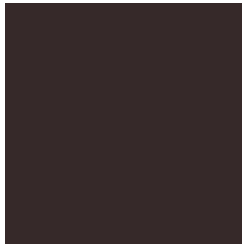
35, 23.756, 196.394



80, 44.717, 196.395

Previews

White Background



This preview shows how the CIELCh color 18, 6.471, 20.867 looks on a white background.

Color Contrast Check

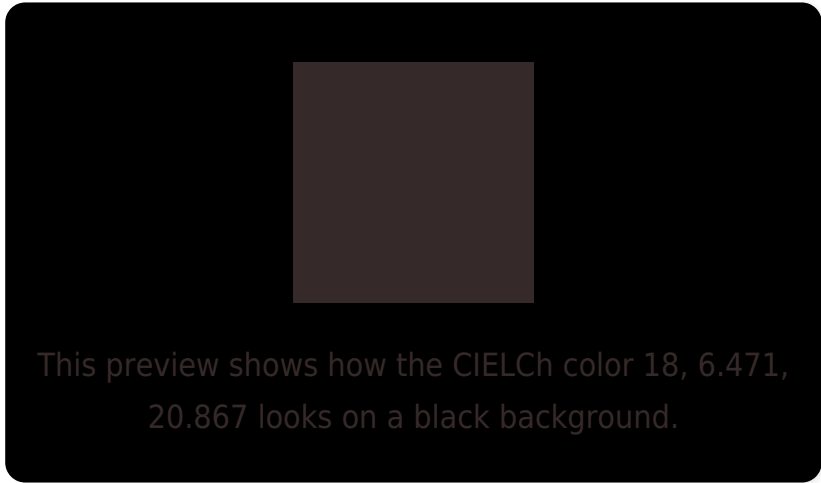
Large Text (above 18pt) WCAG AA ✓ Pass

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

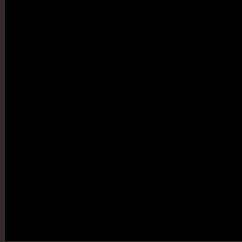
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 6.471, 20.867

Background



This preview shows how black text looks on a background with the CIELCh color 18, 6.471, 20.867.

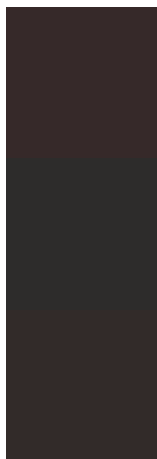


This preview shows how white text looks on a background with the CIELCh color 18, 6.471, 20.867.

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

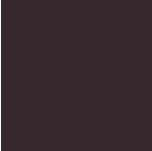
18, 6.471, 20.867

Protanopia

18, 0.833, 74.827

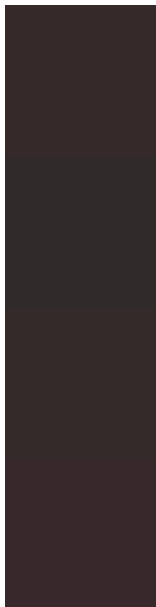
Deuteranopia

18, 3.722, 41.626



Tritanopia
18, 7.331, 359.225

Trichromacy



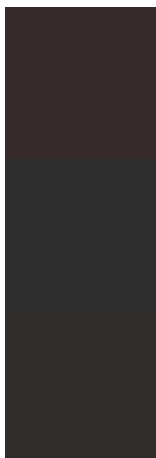
Original Color
18, 6.471, 20.867

Protanomaly
18, 2.531, 35.577

Deuteranomaly
18, 4.509, 29.066

Tritanomaly
18, 7.150, 4.431

Monochromacy



Original Color
18, 6.471, 20.867

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 1.923, 19.725

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 6.471, 20.867 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(54, 41, 41)` looks like.

```
.text, #text, p{  
    color:rgb(54, 41, 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(54, 41, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 41, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 6.471, 20.867 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(54, 41, 41) }
```

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

```
.border{ border-color:rgb(54, 41, 41) }
```

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

Here you see how a box with a 4 pixel rgb(54, 41, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 41, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 41, 41);  
box-shadow:4px 4px 4px 4px rgb(54, 41, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 6.471, 20.867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 41, 41) }
```

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

```
.background{ background-color: rgb(54, 41,  
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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