

Converting Colors

CIELCh(18, 6.433, 39.204)

Have a look what the booklet for
CIELCh(18, 6.433, 39.204) contains.

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Color

CIELCh(18, 6.454, 39.170)

Conversions

Conversions Part 1

Format	Color
Hex	352926
RGB	53, 41, 38
RGB Percent	21%, 16%, 15%
CMY	0.7908, 0.8379, 0.8497
CMYK	0.00, 0.23, 0.28, 0.79
HSL	12°, 16%, 18%
HSV	12°, 28%, 21%
XYZ	2.6469, 2.5180, 2.2086
YIQ	44.2460, 8.1150, 1.6110

Conversions

Conversions Part 2

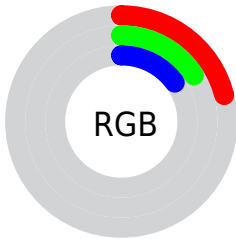
Format	Color
R _Y B	53, 42, 38
Decimal	3483942
CIE Lab	18.00, 5.00, 4.08
CIE LCh	18, 6.454, 39.170
Yxy	2.5180, 0.3590, 0.3415
Android (android.graphics.Color)	4281674022 (0xFF352926)
YUV	44.2460, -3.0793, 7.6773
Hunter-Lab	15.8683, 2.0052, 2.8557

Details

The CIELCh color **18, 6.454, 39.170** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 5.502, 220.469**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 6.455, 36.663**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **17, 9.060, 39.261**, and if you desaturate by 10%, it is **20, 4.018, 39.187**.

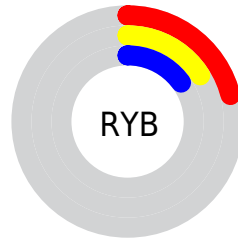
Distribution



 Red (21%)

 Green (16%)

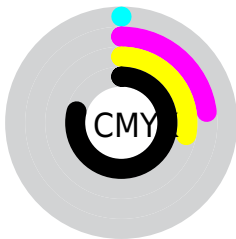
 Blue (15%)



 Red (21%)

 Yellow (16%)

 Blue (15%)

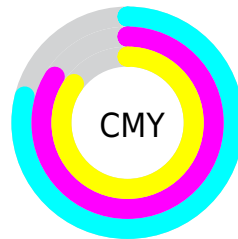


 Cyan (0%)

 Magenta (23%)

 Yellow (28%)

 Black (79%)



 Cyan (79%)

 Magenta (84%)

 Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 6.454, 39.170 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, 6.454, 39.170 by changing the saturation by 10% instead.

 18, 6.454, 39.170  18, 6.454, 39.170

 100, 6.454, 39.170  8, 6.454, 39.170

 38, 6.454, 39.170  0, 6.454, 39.170

 48, 6.454, 39.170

 58, 6.454, 39.170

 68, 6.454, 39.170

 78, 6.454, 39.170

 88, 6.454, 39.170

 98, 6.454, 39.170

 18, 6.454, 39.170  18, 6.454, 39.170

17, 9.060, 39.261	20, 4.018, 39.187
15, 11.843, 39.465	21, 1.743, 39.229
14, 14.800, 39.815	23, 0.383, 220.090
12, 17.681, 39.420	24, 2.372, 219.843
11, 20.169, 37.657	26, 4.238, 220.065
10, 22.367, 35.532	27, 5.994, 220.339
9, 24.460, 34.271	29, 7.650, 220.640
9, 24.831, 34.133	31, 9.218, 220.957
	32, 10.706, 221.284

Harmonies

Complementary

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



18, 6.454, 39.170



20, 5.502, 220.469

Rectangle

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



18, 6.454, 39.170



18, 6.454, 89.170



18, 6.454, 219.170



18, 6.454, 269.170

Sweetspot

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



18, 6.454, 39.179



28, 2.119, 39.229



17, 10.834, 332.033



13, 1.525, 39.228



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, 6.454, 39.179



23, 9.908, 39.231



20, 7.457, 90.721



8, 1.134, 39.077



18, 41.889, 41.208



48, 88.081, 43.251

Inverse Universe

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



20, 5.502, 220.469



26, 8.044, 220.889



17, 7.486, 277.125



9, 1.090, 219.799



28, 20.312, 232.515



66, 38.907, 236.044

Previews

White Background



This preview shows how the CIELCh color 18, 6.454, 39.170 looks on a white background.

Color Contrast Check

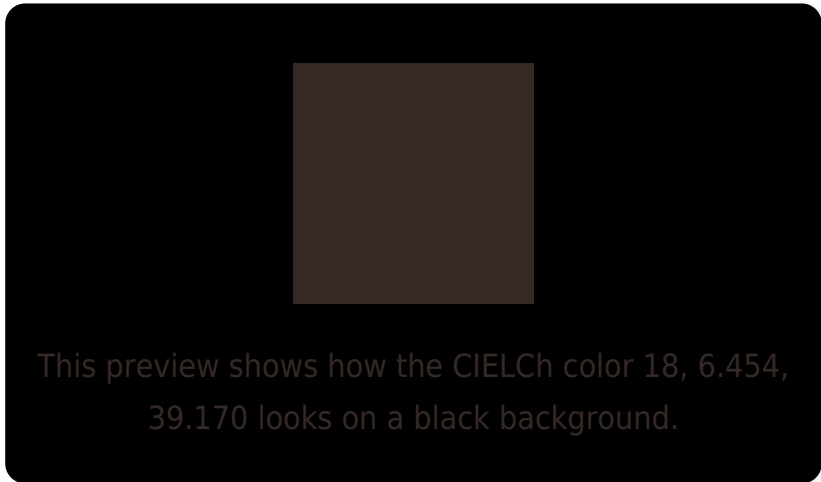
Large Text (above 18pt) WCAG AA ✓ Pass

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

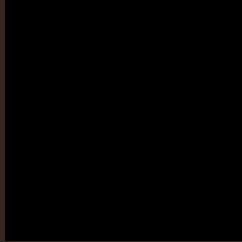
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 18, 6.454, 39.170

Background



This preview shows how black text looks on a background with the CIELCh color 18, 6.454, 39.170.

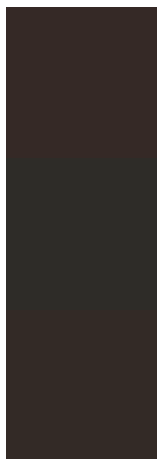


This preview shows how white text looks on a background with the CIELCh color 18, 6.454, 39.170.

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, 6.454, 39.170

Protanopia

18, 2.915, 89.772

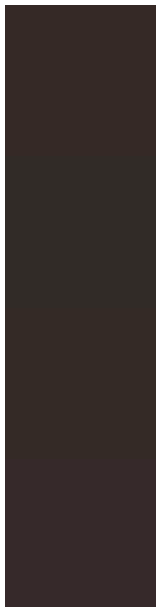
Deuteranopia

18, 5.336, 51.087



Tritanopia
18, 6.650, 3.012

Trichromacy



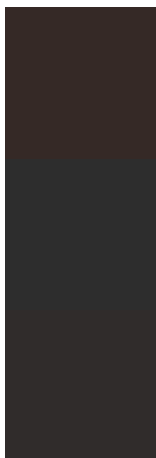
Original Color
18, 6.454, 39.170

Protanomaly
18, 4.073, 62.145

Deuteranomaly
18, 5.788, 48.522

Tritanomaly
18, 6.455, 14.826

Monochromacy



Original Color
18, 6.454, 39.170

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 2.051, 39.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 6.454, 39.170 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(53, 41, 38)` looks like.

```
.text, #text, p{  
    color:rgb(53, 41, 38)  
}
```

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(53, 41, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 41, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 6.454, 39.170 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(53, 41, 38) }
```

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

```
.border{ border-color:rgb(53, 41, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 41, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 41, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 41, 38);  
box-shadow:4px 4px 4px 4px rgb(53, 41, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 6.454, 39.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 41, 38) }
```

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

```
.background{ background-color: rgb(53, 41,  
38) }
```

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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