

Converting Colors

CIELCh(18, 5.313, 20.761)

Have a look what the booklet for
CIELCh(18, 5.313, 20.761) contains.

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Color

CIELCh(18, 5.452, 20.625)

Conversions

Conversions Part 1

Format	Color
Hex	342929
RGB	52, 41, 41
RGB Percent	20%, 16%, 16%
CMY	0.7944, 0.8376, 0.8376
CMYK	0.00, 0.21, 0.21, 0.79
HSL	0°, 12%, 18%
HSV	0°, 21%, 21%
XYZ	2.6521, 2.5180, 2.4810
YIQ	44.2890, 6.5560, 2.3320

Conversions

Conversions Part 2

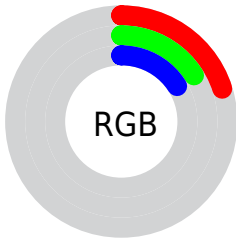
Format	Color
RYB	52, 41, 41
Decimal	3418409
CIELab	18.00, 5.10, 1.92
CIELCh	18, 5.452, 20.625
Yxy	2.5180, 0.3466, 0.3291
Android (android.graphics.Color)	4281608489 (0xFF342929)
YUV	44.2890, -1.6215, 6.7625
Hunter-Lab	15.8683, 2.0636, 1.8379

Details

The CIELCh color **18, 5.452, 20.625** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **21, 4.859, 198.533**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 5.662, 20.156**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **16, 8.311, 21.470**, and if you desaturate by 10%, it is **20, 2.765, 19.933**.

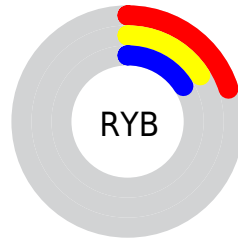
Distribution



Red (20%)

Green (16%)

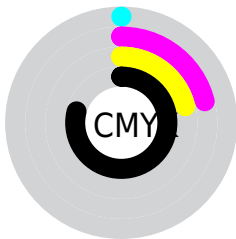
Blue (16%)



Red (20%)

Yellow (16%)

Blue (16%)

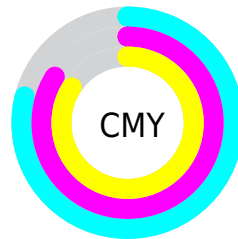


Cyan (0%)

Magenta (21%)

Yellow (21%)

Black (79%)



Cyan (79%)

Magenta (84%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 5.452, 20.625 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, 5.452, 20.625 by changing the saturation by 10% instead.

 18, 5.452, 20.625  18, 5.452, 20.625

 100, 5.452, 20.625  8, 5.452, 20.625

 38, 5.452, 20.625  0, 5.452, 20.625

 48, 5.452, 20.625

 58, 5.452, 20.625

 68, 5.452, 20.625

 78, 5.452, 20.625

 88, 5.452, 20.625

 98, 5.452, 20.625

 18, 5.452, 20.625  18, 5.452, 20.625

16, 8.311, 21.470

20, 2.765, 19.933

14, 11.337, 22.508

22, 0.248, 18.604

13, 14.510, 23.806

24, 2.108, 199.145

11, 17.756, 25.185

25, 4.315, 198.735

10, 20.720, 25.196

27, 6.386, 198.423

9, 23.267, 24.419

29, 8.334, 198.169

8, 25.704, 23.261

31, 10.173,
197.958

7, 27.914, 22.285

33, 11.914,
197.781

35, 13.567,
197.630

Harmonies

Complementary

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



18, 5.452, 20.625



21, 4.859, 198.533

Rectangle

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



18, 5.452, 20.625



18, 5.452, 70.625



18, 5.452, 200.625



18, 5.452, 250.625

Sweetspot

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



18, 5.451, 20.633



28, 1.862, 19.608



18, 9.136, 325.398



13, 1.248, 19.612



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, 5.451, 20.633



23, 8.291, 21.056



20, 4.637, 73.222



8, 1.340, 19.539



16, 44.927, 34.021



45, 92.498, 40.002

Inverse Universe

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



21, 4.859, 198.533



28, 7.159, 198.309



19, 4.429, 257.921



9, 1.285, 199.157



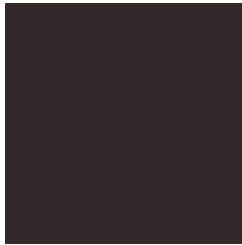
34, 23.292, 196.416



79, 44.315, 196.418

Previews

White Background



This preview shows how the CIELCh color 18, 5.452, 20.625 looks on a white background.

Color Contrast Check

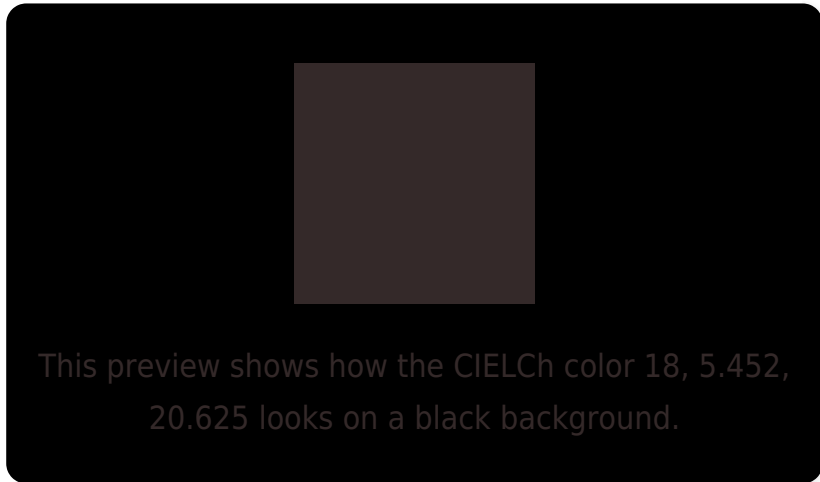
Large Text (above 18pt) WCAG AA ✓ Pass

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

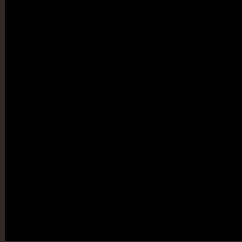
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

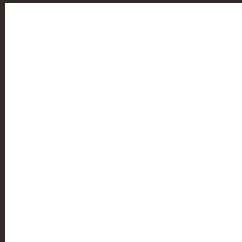
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 5.452, 20.625

Background



This preview shows how black text looks on a background with the CIELCh color 18, 5.452, 20.625.

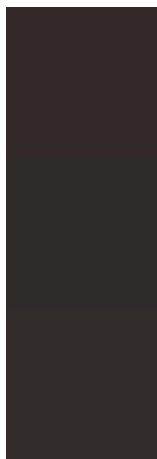


This preview shows how white text looks on a background with the CIELCh color 18, 5.452, 20.625.

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

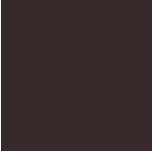
18, 5.452, 20.625

Protanopia

18, 0.833, 74.827

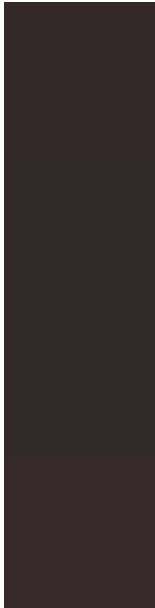
Deuteranopia

18, 3.259, 44.803



Tritanopia
18, 6.181, 1.444

Trichromacy



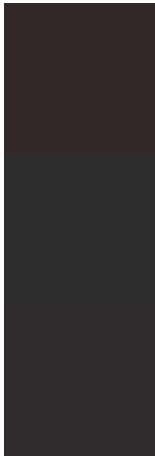
Original Color
18, 5.452, 20.625

Protanomaly
18, 2.531, 35.577

Deuteranomaly
18, 4.010, 30.059

Tritanomaly
18, 6.028, 7.688

Monochromacy



Original Color
18, 5.452, 20.625

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, 5.452, 20.625 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(52, 41, 41)` looks like.

```
.text, #text, p{  
    color:rgb(52, 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(52, 41, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 41, 41) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 5.452, 20.625 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(52, 41, 41) }
```

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

```
.border{ border-color:rgb(52, 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(52, 41, 41)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 41, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 41, 41);  
box-shadow:4px 4px 4px 4px rgb(52, 41, 41)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 18, 5.452, 20.625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 41, 41) }
```

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

```
.background{ background-color: rgb(52, 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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