

Converting Colors

CIELCh(20, 7.788, 73.362)

Have a look what the booklet for
CIELCh(20, 7.788, 73.362) contains.

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Color

CIELCh(20, 7.671, 72.016)

Conversions

Conversions Part 1

Format	Color
Hex	382F26
RGB	56, 47, 38
RGB Percent	22%, 18%, 15%
CMY	0.7813, 0.8165, 0.8518
CMYK	0.00, 0.16, 0.32, 0.78
HSL	30°, 19%, 18%
HSV	30°, 32%, 22%
XYZ	2.9731, 2.9891, 2.2365
YIQ	48.6650, 8.2530, -0.8910

Conversions

Conversions Part 2

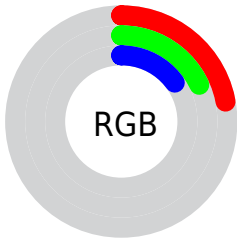
Format	Color
RYB	56, 56, 38
Decimal	3682086
CIELab	20.00, 2.37, 7.30
CIELCh	20, 7.671, 72.016
Yxy	2.9891, 0.3626, 0.3646
Android (android.graphics.Color)	4281872166 (0xFF382F26)
YUV	48.6650, -5.2578, 6.4328
Hunter-Lab	17.2889, 0.4403, 4.4325

Details

The CIELCh color **20, 7.671, 72.016** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **19, 7.116, 259.654**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 7.525, 73.156**, and **0, 1.941, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **19, 10.256, 70.953**, and if you desaturate by 10%, it is **21, 5.186, 73.083**.

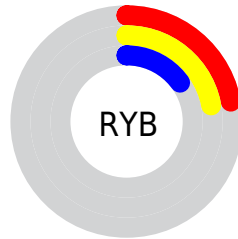
Distribution



 Red (22%)

 Green (18%)

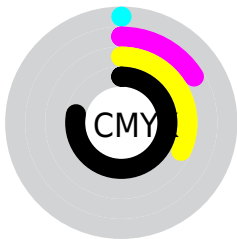
 Blue (15%)



 Red (22%)

 Yellow (22%)

 Blue (15%)

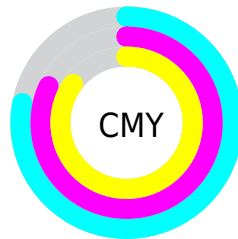


 Cyan (0%)

 Magenta (16%)

 Yellow (32%)

 Black (78%)



 Cyan (78%)

 Magenta (82%)

 Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 7.671, 72.016 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 20, 7.671, 72.016 by changing the saturation by 10% instead.

■ 20, 7.671, 72.016 ■ 20, 7.671, 72.016

■ 100, 7.671, 72.016 ■ 10, 7.671, 72.016

■ 40, 7.671, 72.016 ■ 0, 7.671, 72.016

■ 50, 7.671, 72.016

■ 60, 7.671, 72.016

■ 70, 7.671, 72.016

■ 80, 7.671, 72.016

■ 90, 7.671, 72.016

■ 20, 7.671, 72.016 ■ 20, 7.671, 72.016

■ 19, 10.256, 70.953 ■ 21, 5.186, 73.083

■ 18, 12.937, 69.872

■ 22, 2.798, 74.114

■ 17, 15.704, 68.779

■ 23, 0.501, 74.908

■ 16, 18.295, 67.362

■ 24, 1.712, 256.314

■ 15, 20.248, 65.118

■ 25, 3.848, 257.259

■ 14, 21.934, 62.754

■ 26, 5.915, 258.210

■ 14, 23.260, 61.195

■ 28, 7.919, 259.139

■ 29, 9.866, 260.038

■ 30, 11.763,
260.905

Harmonies

Complementary

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



20, 7.671, 72.016



19, 7.116, 259.654

Rectangle

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



20, 7.671, 72.016



20, 7.671, 122.016



20, 7.671, 252.016



20, 7.671, 302.016

Sweetspot

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



20, 7.671, 72.024



29, 2.799, 74.292



18, 10.538, 346.165



13, 1.873, 74.260



67, 0.008, 296.813



14, 0.003, 296.813

Same Dimension

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



20, 7.671, 72.024



25, 11.606, 71.109



23, 11.842, 107.523



10, 1.261, 74.496



24, 38.775, 62.581



58, 76.239, 60.145

Inverse Universe

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



19, 7.116, 259.654



24, 10.526, 261.140



16, 12.647, 293.486



9, 1.243, 256.421



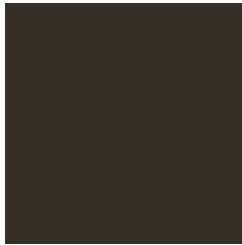
19, 32.013, 280.612



47, 65.195, 284.633

Previews

White Background



This preview shows how the CIELCh color 20, 7.671, 72.016 looks on a white background.

Color Contrast Check

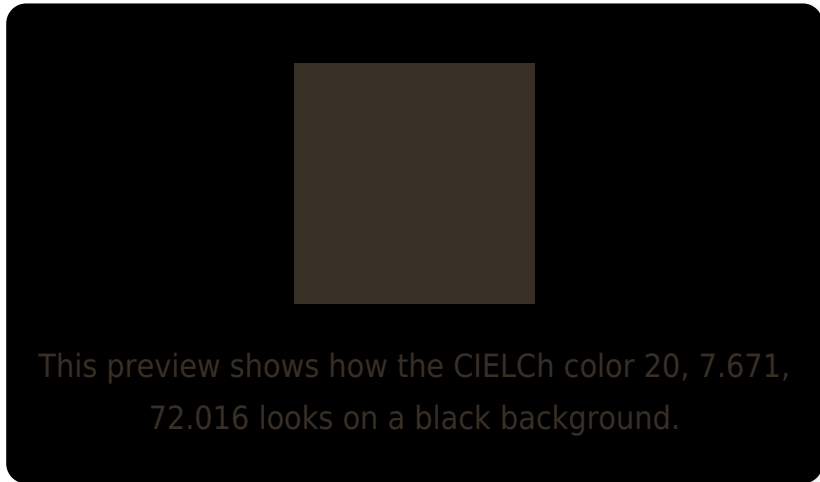
Large Text (above 18pt) WCAG AA ✓ Pass

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

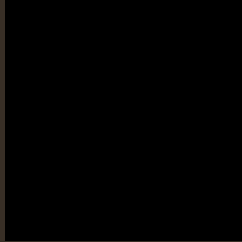
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 7.671, 72.016

Background



This preview shows how black text looks on a background with the CIELCh color 20, 7.671, 72.016.

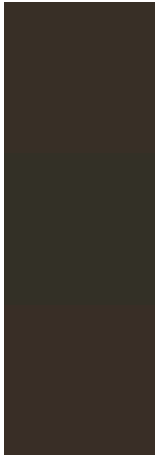


This preview shows how white text looks on a background with the CIELCh color 20, 7.671, 72.016.

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

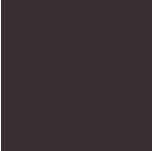
20, 7.671, 72.016

Protanopia

20, 6.936, 95.963

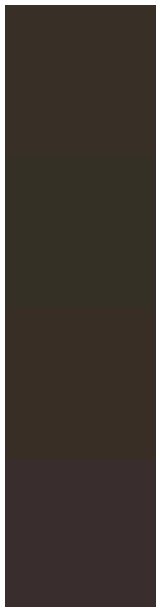
Deuteranopia

20, 7.871, 63.359



Tritanopia
20, 6.322, 355.458

Trichromacy



Original Color
20, 7.671, 72.016

Protanomaly
20, 7.232, 88.080

Deuteranomaly
20, 7.871, 63.359

Tritanomaly
20, 5.429, 27.617

Monochromacy



Original Color
20, 7.671, 72.016

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 3.073, 81.246

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 7.671, 72.016 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(56, 47, 38)` looks like.

```
.text, #text, p{  
    color:rgb(56, 47, 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(56, 47, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 47, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 7.671, 72.016 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(56, 47, 38) }
```

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

```
.border{ border-color:rgb(56, 47, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 47, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 47, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 47, 38);  
box-shadow:4px 4px 4px 4px rgb(56, 47, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 7.671, 72.016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 47, 38) }
```

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

```
.background{ background-color: rgb(56, 47,  
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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