

Converting Colors

CIELCh(20, 27.022, 44.043)

Have a look what the booklet for
CIELCh(20, 27.022, 44.043) contains.

CIELCh(20, 26.911, 44.083)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(20, 26.911, 44.083)

Conversions

Conversions Part 1

Format	Color
Hex	502416
RGB	80, 36, 22
RGB Percent	31%, 14%, 9%
CMY	0.6877, 0.8600, 0.9149
CMYK	0.00, 0.55, 0.73, 0.69
HSL	14°, 57%, 20%
HSV	14°, 73%, 31%
XYZ	4.0406, 2.9891, 1.1085
YIQ	47.5600, 30.7180, 4.9740

Conversions

Conversions Part 2

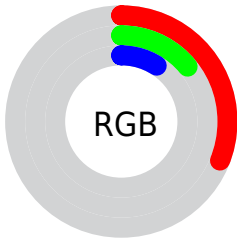
Format	Color
R_{YB}	80, 40, 22
Decimal	5252118
CIE Lab	20.00, 19.33, 18.72
CIE LCh	20, 26.911, 44.083
Yxy	2.9891, 0.4965, 0.3673
Android (android.graphics.Color)	4283442198 (0xFF502416)
YUV	47.5600, -12.6011, 28.4499
Hunter-Lab	17.2889, 11.4614, 8.3007

Details

The CIELCh color **20, 26.911, 44.083** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **26, 16.197, 232.509**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 27.035, 44.318**, and **3, 13.904, 17.743** is the 20% darker color. If you saturate the color by 10%, you get **19, 31.185, 44.075**, and if you desaturate by 10%, it is **22, 22.475, 43.715**.

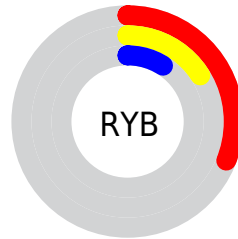
Distribution



 Red (31%)

 Green (14%)

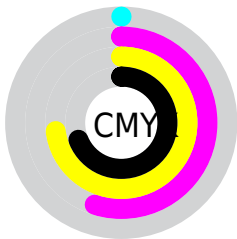
 Blue (9%)



 Red (31%)

 Yellow (16%)

 Blue (9%)

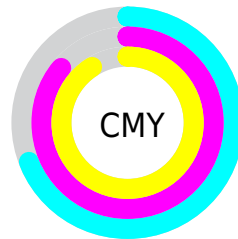


 Cyan (0%)

 Magenta (55%)

 Yellow (73%)

 Black (69%)



 Cyan (69%)

 Magenta (86%)

 Yellow (91%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 26.911, 44.083 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, 26.911, 44.083 by changing the saturation by 10% instead.

 20, 26.911, 44.083

 20, 26.911, 44.083

 100, 26.911,
44.083

 10, 26.911, 44.083

 0, 26.911, 44.083

 40, 26.911, 44.083

 50, 26.911, 44.083

 60, 26.911, 44.083

 70, 26.911, 44.083

 80, 26.911, 44.083

 90, 26.911, 44.083

 20, 26.911, 44.083

 20, 26.911, 44.083

■ 19, 31.185, 44.075

■ 22, 22.475, 43.715

■ 17, 34.570, 42.855

■ 23, 18.239, 43.490

■ 16, 36.862, 42.309

■ 25, 14.247, 43.414

■ 27, 10.514, 43.470

■ 29, 7.035, 43.632

■ 31, 3.799, 43.864

■ 33, 0.786, 43.922

■ 35, 2.024, 224.792

■ 37, 4.650, 225.140

Harmonies

Complementary

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



20, 26.911, 44.083



26, 16.197, 232.509

Rectangle

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



20, 26.911, 44.083



20, 26.911, 94.083



20, 26.911, 224.083



20, 26.911, 274.083

Sweetspot

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



20, 26.910, 44.086



39, 8.530, 43.631



19, 35.393, 336.571



19, 5.808, 43.602



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



20, 26.910, 44.086



24, 41.963, 44.840



28, 27.664, 87.529



15, 1.677, 43.955



23, 47.758, 44.375



52, 91.177, 44.509

Inverse Universe

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



26, 16.197, 232.509



32, 21.901, 237.346



16, 29.750, 289.292



16, 1.601, 224.852



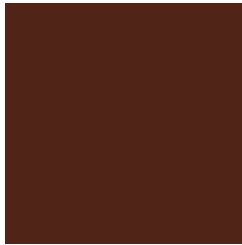
31, 23.266, 241.815



67, 42.365, 245.174

Previews

White Background



This preview shows how the CIELCh color 20, 26.911, 44.083 looks on a white background.

Color Contrast Check

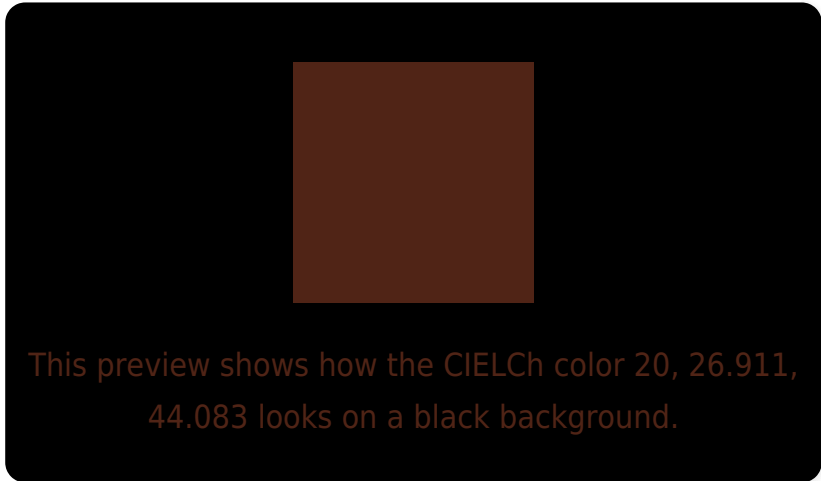
Large Text (above 18pt) WCAG AA ✓ Pass

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

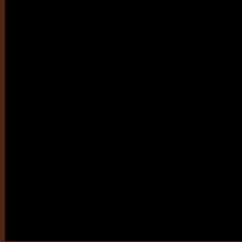
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 26.911, 44.083

Background



This preview shows how black text looks on a background with the CIELCh color 20, 26.911, 44.083.

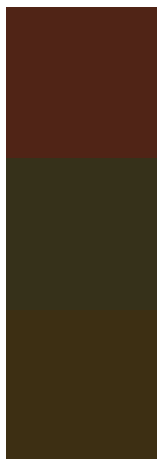


This preview shows how white text looks on a background with the CIELCh color 20, 26.911, 44.083.

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, 26.911, 44.083

Protanopia

20, 15.560, 96.566

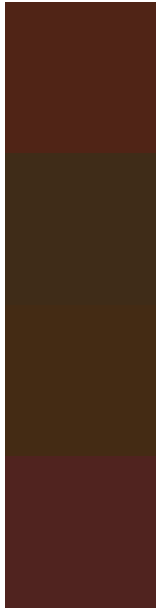
Deuteranopia

20, 20.245, 83.082



Tritanopia
20, 23.582, 22.485

Trichromacy



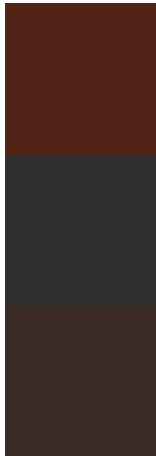
Original Color
20, 26.911, 44.083

Protanomaly
20, 17.386, 69.894

Deuteranomaly
20, 21.347, 65.535

Tritanomaly
20, 24.232, 31.390

Monochromacy



Original Color
20, 26.911, 44.083

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 8.953, 43.121

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 20, 26.911, 44.083 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(80, 36, 22)` looks like.

```
.text, #text, p{  
    color:rgb(80, 36, 22)  
}
```

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(80, 36, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 36, 22) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 26.911, 44.083 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(80, 36, 22) }
```

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

```
.border{ border-color:rgb(80, 36, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 36, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 36, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 36, 22);  
box-shadow:4px 4px 4px 4px rgb(80, 36, 22)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 26.911, 44.083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 36, 22) }
```

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

```
.background{ background-color: rgb(80, 36,  
22) }
```

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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