

Converting Colors

CIELCh(20, 22.361, 2.155)

Have a look what the booklet for
CIELCh(20, 22.361, 2.155) contains.

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Color

CIELCh(20, 22.474, 1.551)

Conversions

Conversions Part 1

Format	Color
Hex	4E2230
RGB	78, 34, 48
RGB Percent	31%, 13%, 19%
CMY	0.6937, 0.8662, 0.8114
CMYK	0.00, 0.56, 0.38, 0.69
HSL	341°, 39%, 22%
HSV	341°, 56%, 31%
XYZ	4.2622, 2.9891, 3.1598
YIQ	48.7520, 21.7300, 13.6820

Conversions

Conversions Part 2

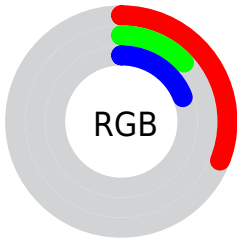
Format	Color
R_YB	78, 34, 48
Decimal	5120560
CIE _{Lab}	20.00, 22.47, 0.61
CIE _{LCh}	20, 22.474, 1.551
Yxy	2.9891, 0.4094, 0.2871
Android (android.graphics.Color)	4283310640 (0xFF4E2230)
YUV	48.7520, -0.3707, 25.6505
Hunter-Lab	17.2889, 13.7502, 1.2660

Details

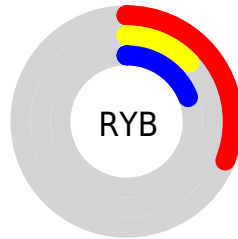
The CIELCh color **20, 22.474, 1.551** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **30, 19.515, 169.155**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 22.596, 1.272**, and **3, 16.126, 17.972** is the 20% darker color. If you saturate the color by 10%, you get **18, 26.223, 3.633**, and if you desaturate by 10%, it is **22, 18.485, 359.844**.

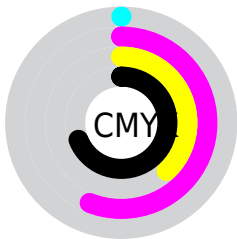
Distribution



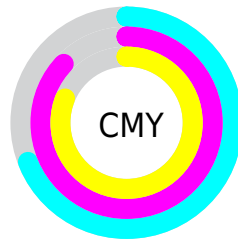
- Red (31%)
- Green (13%)
- Blue (19%)



- Red (31%)
- Yellow (13%)
- Blue (19%)



- Cyan (0%)
- Magenta (56%)
- Yellow (38%)
- Black (69%)




- Cyan (69%)
- Magenta (87%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 22.474, 1.551 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, 22.474, 1.551 by changing the saturation by 10% instead.

 20, 22.474, 1.551  20, 22.474, 1.551

 100, 22.474, 1.551  10, 22.474, 1.551

 40, 22.474, 1.551  0, 22.474, 1.551

 50, 22.474, 1.551

 60, 22.474, 1.551

 70, 22.474, 1.551

 80, 22.474, 1.551

 90, 22.474, 1.551

 20, 22.474, 1.551  20, 22.474, 1.551

 18, 26.223, 3.633  22, 18.485,



Harmonies

Complementary

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



20, 22.474, 1.551



30, 19.515, 169.155

Rectangle

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



20, 22.474, 1.551



20, 22.474, 51.551



20, 22.474, 181.551



20, 22.474, 231.551

Sweetspot

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



20, 22.473, 1.553



38, 8.189, 356.265



19, 31.610, 316.808



18, 5.416, 356.355



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



20, 22.473, 1.553



24, 33.286, 4.638



21, 20.275, 37.114



14, 2.086, 355.382



20, 43.766, 16.006



49, 80.651, 20.340

Inverse Universe

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



20, 22.473, 1.553



24, 33.286, 4.638



28, 13.673, 218.137



14, 2.086, 355.382



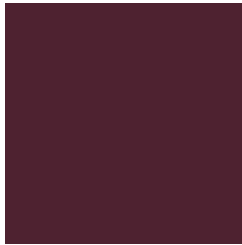
20, 43.766, 16.006



49, 80.651, 20.340

Previews

White Background



This preview shows how the CIELCh color 20, 22.474, 1.551 looks on a white background.

Color Contrast Check

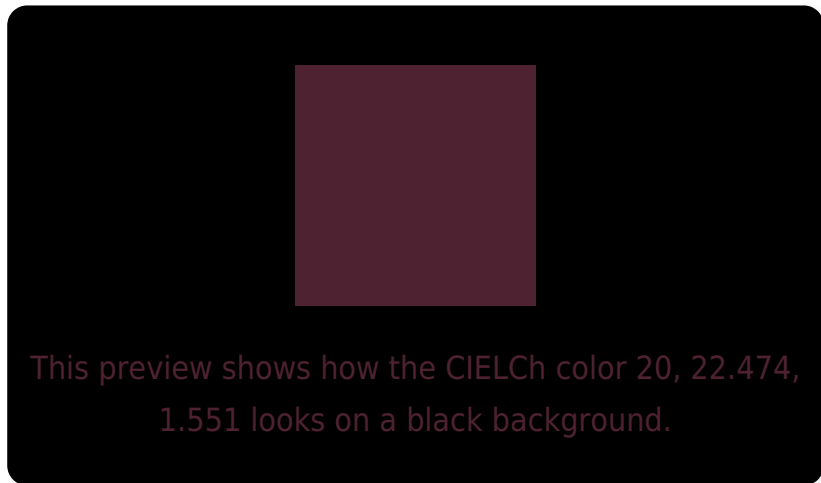
Large Text (above 18pt) WCAG AA ✓ Pass

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, 22.474, 1.551

Background



This preview shows how black text looks on a background with the CIELCh color 20, 22.474, 1.551.



This preview shows how white text looks on a background with the CIELCh color 20, 22.474, 1.551.

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, 22.474, 1.551

Protanopia

21, 5.440, 286.826

Deuteranopia

20, 3.932, 30.018



Tritanopia
20, 20.923, 21.193

Trichromacy



Original Color

20, 22.474, 1.551

Protanomaly

20, 9.699, 337.261

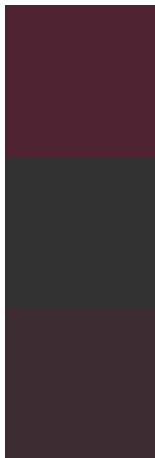
Deuteranomaly

20, 10.690, 3.619

Tritanomaly

20, 21.128, 12.570

Monochromacy



Original Color

20, 22.474, 1.551

Achromatopsia

20, 0.004, 296.813

Achromatomaly

20, 8.347, 357.483

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 22.474, 1.551 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(78, 34, 48)` looks like.

```
.text, #text, p{  
    color:rgb(78, 34, 48)  
}
```

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(78, 34, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 34, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 22.474, 1.551 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(78, 34, 48) }
```

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

```
.border{ border-color:rgb(78, 34, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 34, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 34, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 34, 48);  
box-shadow:4px 4px 4px 4px rgb(78, 34, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 22.474, 1.551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 34, 48) }
```

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

```
.background{ background-color: rgb(78, 34,  
48) }
```

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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