

Converting Colors

CIE LCh(20, 10.201, 4.204)

Have a look what the booklet for
CIELCh(20, 10.201, 4.204) contains.

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Color

CIELCh(20, 10.191, 2.550)

Conversions

Conversions Part 1

Format	Color
Hex	3F2B30
RGB	63, 43, 48
RGB Percent	25%, 17%, 19%
CMY	0.7533, 0.8317, 0.8121
CMYK	0.00, 0.32, 0.24, 0.75
HSL	345°, 19%, 21%
HSV	345°, 32%, 25%
XYZ	3.4377, 2.9891, 3.1838
YIQ	49.5500, 10.3150, 5.7950

Conversions

Conversions Part 2

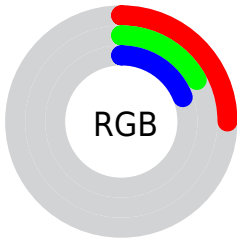
Format	Color
RYB	63, 43, 48
Decimal	4139824
CIELab	20.00, 10.18, 0.45
CIELCh	20, 10.191, 2.550
Yxy	2.9891, 0.3577, 0.3110
Android (android.graphics.Color)	4282329904 (0xFF3F2B30)
YUV	49.5500, -0.7642, 11.7956
Hunter-Lab	17.2889, 5.2371, 1.1839

Details

The CIELCh color **20, 10.191, 2.550** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 9.244, 176.863**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 9.916, 3.075**, and **2, 7.329, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.584, 3.862**, and if you desaturate by 10%, it is **22, 6.863, 1.432**.

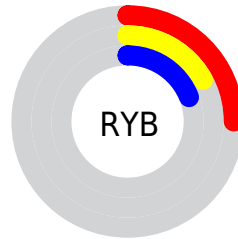
Distribution



Red (25%)

Green (17%)

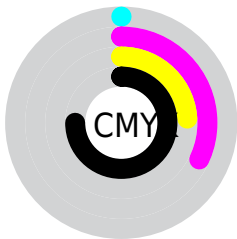
Blue (19%)



Red (25%)

Yellow (17%)

Blue (19%)

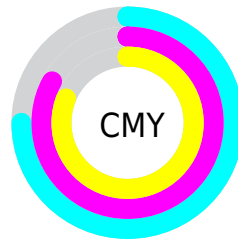


Cyan (0%)

Magenta (32%)

Yellow (24%)

Black (75%)



Cyan (75%)

Magenta (83%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 10.191, 2.550 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, 10.191, 2.550 by changing the saturation by 10% instead.

■ 20, 10.191, 2.550 ■ 20, 10.191, 2.550

■ 100, 10.191, 2.550 ■ 10, 10.191, 2.550

■ 40, 10.191, 2.550 ■ 0, 10.191, 2.550

■ 50, 10.191, 2.550

■ 60, 10.191, 2.550

■ 70, 10.191, 2.550

■ 80, 10.191, 2.550

■ 90, 10.191, 2.550

■ 20, 10.191, 2.550 ■ 20, 10.191, 2.550

■ 18, 13.584, 3.862 ■ 22, 6.863, 1.432

16, 16.988, 5.417

24, 3.640, 0.443

15, 20.319, 7.294

26, 0.539, 359.256

13, 23.475, 9.590

28, 2.431, 179.003

12, 26.345, 12.412

31, 5.270, 178.285

11, 29.029, 14.996

33, 7.983, 177.665

10, 31.394, 15.720

35, 10.578,
177.108

37, 13.062,
176.599

39, 15.445,
176.132

Harmonies

Complementary

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



20, 10.191, 2.550



25, 9.244, 176.863

Rectangle

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



20, 10.191, 2.550



20, 10.191, 52.550



20, 10.191, 182.550



20, 10.191, 232.550

Sweetspot

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



20, 10.190, 2.553



32, 3.828, 0.316



20, 15.113, 318.490



15, 2.569, 0.362



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



20, 10.190, 2.553



25, 15.304, 3.566



21, 8.288, 44.423



10, 1.665, 0.121



18, 42.420, 21.338



47, 81.512, 26.217

Inverse Universe

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



20, 10.190, 2.553



25, 15.304, 3.566



23, 6.923, 227.390



10, 1.665, 0.121



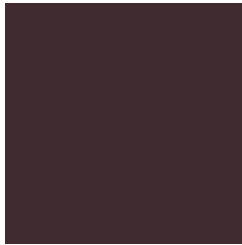
18, 42.420, 21.338



47, 81.512, 26.217

Previews

White Background



This preview shows how the CIELCh color 20, 10.191, 2.550 looks on a white background.

Color Contrast Check

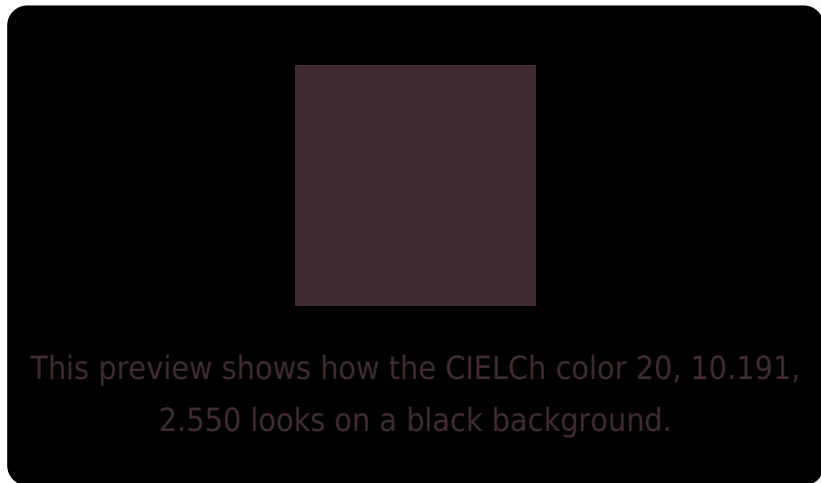
Large Text (above 18pt) WCAG AA ✓ Pass

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

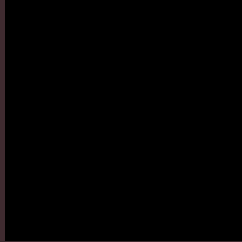
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 10.191, 2.550

Background



This preview shows how black text looks on a background with the CIELCh color 20, 10.191, 2.550.



This preview shows how white text looks on a background with the CIELCh color 20, 10.191, 2.550.

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

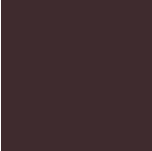
20, 10.191, 2.550

Protanopia

20, 2.102, 303.305

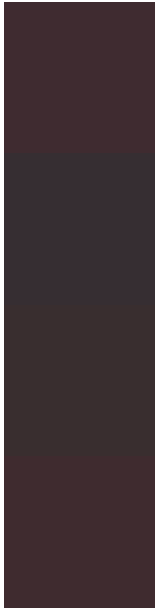
Deuteranopia

20, 3.358, 20.052



Tritanopia
20, 9.965, 10.065

Trichromacy



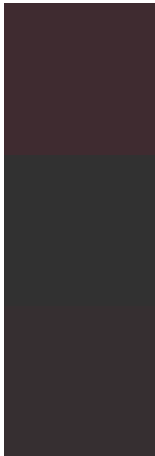
Original Color
20, 10.191, 2.550

Protanomaly
20, 4.653, 344.680

Deuteranomaly
20, 5.352, 13.304

Tritanomaly
20, 10.055, 6.263

Monochromacy



Original Color
20, 10.191, 2.550

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 3.587, 357.961

CSS Examples

Text

The CSS property to change the color of the text to CIElCh 20, 10.191, 2.550 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(63, 43, 48)` looks like.

```
.text, #text, p{  
    color:rgb(63, 43, 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(63, 43, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 43, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 10.191, 2.550 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(63, 43, 48) }
```

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

```
.border{ border-color:rgb(63, 43, 48) }
```

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

Here you see how a box with a 4 pixel rgb(63, 43, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 43, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 43, 48);  
box-shadow:4px 4px 4px 4px rgb(63, 43, 48)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 10.191, 2.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 43, 48) }
```

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

```
.background{ background-color: rgb(63, 43,  
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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