

Converting Colors

CIELCh(20, 9.734, 36.332)

Have a look what the booklet for
CIELCh(20, 9.734, 36.332) contains.

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Color

CIELCh(20, 9.611, 37.437)

Conversions

Conversions Part 1

Format	Color
Hex	3E2C28
RGB	62, 44, 40
RGB Percent	24%, 17%, 16%
CMY	0.7565, 0.8271, 0.8428
CMYK	0.00, 0.29, 0.35, 0.76
HSL	11°, 22%, 20%
HSV	11°, 35%, 24%
XYZ	3.2811, 2.9891, 2.4193
YIQ	48.9260, 12.0120, 2.5720

Conversions

Conversions Part 2

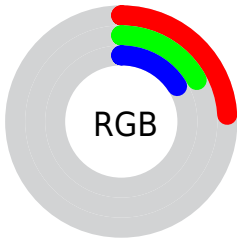
Format	Color
R_{YB}	62, 45, 40
Decimal	4074536
CIE _{Lab}	20.00, 7.63, 5.84
CIE _{LCh}	20, 9.611, 37.437
Yxy	2.9891, 0.3776, 0.3440
Android (android.graphics.Color)	4282264616 (0xFF3E2C28)
YUV	48.9260, -4.4005, 11.4659
Hunter-Lab	17.2889, 3.6205, 3.8054

Details

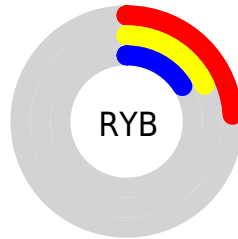
The CIELCh color **20, 9.611, 37.437** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 7.739, 218.542**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 9.417, 39.164**, and **1, 5.526, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 12.776, 37.735**, and if you desaturate by 10%, it is **22, 6.652, 37.286**.

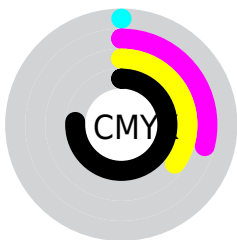
Distribution



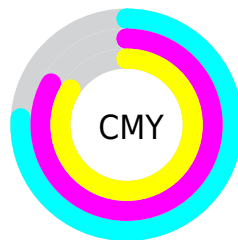
- Red (24%)
- Green (17%)
- Blue (16%)



- Red (24%)
- Yellow (18%)
- Blue (16%)



- Cyan (0%)
- Magenta (29%)
- Yellow (35%)
- Black (76%)



- Cyan (76%)
- Magenta (83%)
- Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 9.611, 37.437 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, 9.611, 37.437 by changing the saturation by 10% instead.

■ 20, 9.611, 37.437 ■ 20, 9.611, 37.437

■ 100, 9.611, 37.437 ■ 10, 9.611, 37.437

■ 40, 9.611, 37.437 ■ 0, 9.611, 37.437

■ 50, 9.611, 37.437

■ 60, 9.611, 37.437

■ 70, 9.611, 37.437

■ 80, 9.611, 37.437

■ 90, 9.611, 37.437

■ 20, 9.611, 37.437 ■ 20, 9.611, 37.437

■ 18, 12.776, 37.735 ■ 22, 6.652, 37.286

17, 16.147, 38.192

23, 3.893, 37.226

15, 19.705, 38.838

25, 1.323, 37.161

14, 23.068, 38.642

27, 1.072, 217.689

13, 25.857, 37.148

29, 3.310, 217.715

12, 28.358, 35.975

31, 5.406, 217.903

11, 29.437, 35.746

33, 7.374, 218.137

34, 9.228, 218.397

36, 10.981,
218.674

Harmonies

Complementary

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



20, 9.611, 37.437



23, 7.739, 218.542

Rectangle

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



20, 9.611, 37.437



20, 9.611, 87.437



20, 9.611, 217.437



20, 9.611, 267.437

Sweetspot

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



20, 9.610, 37.443



32, 3.433, 37.216



19, 15.832, 331.303



15, 2.270, 37.217



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, 9.610, 37.443



25, 15.154, 37.719



23, 10.415, 87.153



11, 1.348, 37.202



19, 44.456, 40.877



48, 90.322, 42.705

Inverse Universe

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



23, 7.739, 218.542



30, 11.390, 219.151



20, 10.345, 275.922



11, 1.288, 217.654



30, 21.044, 229.088



68, 39.306, 232.083

Previews

White Background



This preview shows how the CIELCh color 20, 9.611, 37.437 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



This preview shows how the CIE LCh color 20, 9.611, 37.437 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

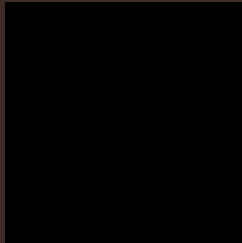
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 9.611, 37.437

Background



This preview shows how black text looks on a background with the CIELCh color 20, 9.611, 37.437.

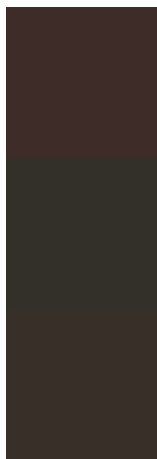


This preview shows how white text looks on a background with the CIELCh color 20, 9.611, 37.437.

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

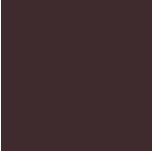
20, 9.611, 37.437

Protanopia

20, 4.323, 89.258

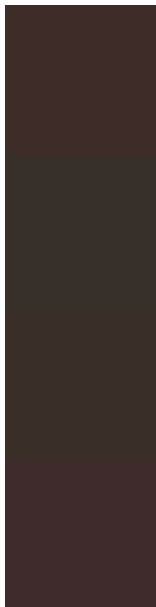
Deuteranopia

20, 6.593, 65.628



Tritanopia
20, 9.965, 10.065

Trichromacy



Original Color

20, 9.611, 37.437

Protanomaly

20, 5.724, 64.926

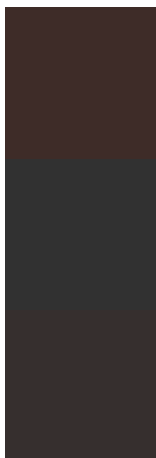
Deuteranomaly

20, 7.357, 53.673

Tritanomaly

20, 9.931, 17.790

Monochromacy



Original Color

20, 9.611, 37.437

Achromatopsia

20, 0.004, 296.813

Achromatomaly

20, 3.447, 31.331

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 9.611, 37.437 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(62, 44, 40)` looks like.

```
.text, #text, p{  
    color:rgb(62, 44, 40)  
}
```

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(62, 44, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 44, 40) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 9.611, 37.437 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(62, 44, 40) }
```

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

```
.border{ border-color:rgb(62, 44, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 44, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 44, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 44, 40);  
box-shadow:4px 4px 4px 4px rgb(62, 44, 40)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 9.611, 37.437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 44, 40) }
```

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

```
.background{ background-color: rgb(62, 44,  
40) }
```

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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