

Converting Colors

CIELCh(20, 4.546, 38.908)

Have a look what the booklet for
CIELCh(20, 4.546, 38.908) contains.

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Color

CIELCh(20, 4.623, 37.234)

Conversions

Conversions Part 1

Format	Color
Hex	372E2C
RGB	55, 46, 44
RGB Percent	22%, 18%, 17%
CMY	0.7829, 0.8182, 0.8261
CMYK	0.00, 0.16, 0.20, 0.78
HSL	11°, 11%, 20%
HSV	11°, 20%, 22%
XYZ	3.0480, 2.9891, 2.8341
YIQ	48.4630, 6.0060, 1.2860

Conversions

Conversions Part 2

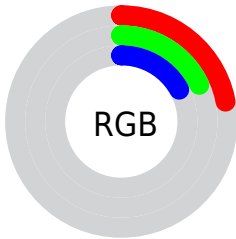
Format	Color
R_{YB}	55, 46, 44
Decimal	3616300
CIE Lab	20.00, 3.68, 2.80
CIE LCh	20, 4.623, 37.234
Yxy	2.9891, 0.3436, 0.3369
Android (android.graphics.Color)	4281806380 (0xFF372E2C)
YUV	48.4630, -2.2003, 5.7329
Hunter-Lab	17.2889, 1.2138, 2.3831

Details

The CIELCh color **20, 4.623, 37.234** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **22, 4.136, 217.878**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 4.695, 42.646**, and **0, 2.218, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 7.198, 37.336**, and if you desaturate by 10%, it is **22, 2.219, 37.214**.

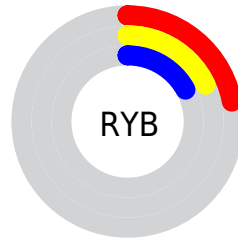
Distribution



Red (22%)

Green (18%)

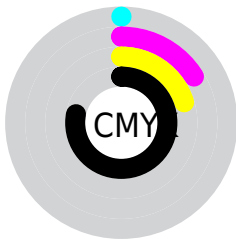
Blue (17%)



Red (22%)

Yellow (18%)

Blue (17%)

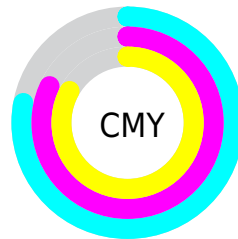


Cyan (0%)

Magenta (16%)

Yellow (20%)

Black (78%)



Cyan (78%)

Magenta (82%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 4.623, 37.234 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, 4.623, 37.234 by changing the saturation by 10% instead.

■ 20, 4.623, 37.234

■ 20, 4.623, 37.234

■ 100, 4.623, 37.234

■ 10, 4.623, 37.234

■ 40, 4.623, 37.234

■ 0, 4.623, 37.234

■ 50, 4.623, 37.234

■ 60, 4.623, 37.234

■ 70, 4.623, 37.234

■ 80, 4.623, 37.234

■ 90, 4.623, 37.234

■ 20, 4.623, 37.234

■ 20, 4.623, 37.234

■ 18, 7.198, 37.336

■ 22, 2.219, 37.214

17, 9.955, 37.535	23, 0.024, 226.699
15, 12.895, 37.873	25, 2.120, 217.664
14, 16.015, 38.377	27, 4.083, 217.808
13, 19.039, 38.116	28, 5.927, 218.019
11, 21.635, 36.496	30, 7.664, 218.261
10, 23.927, 34.660	32, 9.305, 218.524
9, 26.080, 33.747	33, 10.860, 218.800
9, 26.102, 33.743	35, 12.340, 219.084

Harmonies

Complementary

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



20, 4.623, 37.234



22, 4.136, 217.878

Rectangle

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



20, 4.623, 37.234



20, 4.623, 87.234



20, 4.623, 217.234



20, 4.623, 267.234

Sweetspot

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



20, 4.623, 37.246



29, 1.644, 37.181



20, 8.071, 330.410



13, 1.069, 37.181



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, 4.623, 37.246



26, 7.028, 37.282



22, 5.235, 88.982



9, 1.249, 37.205



19, 43.327, 40.636



48, 89.520, 42.721

Inverse Universe

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



22, 4.136, 217.878



28, 6.088, 218.050



20, 5.218, 273.487



10, 1.196, 217.657



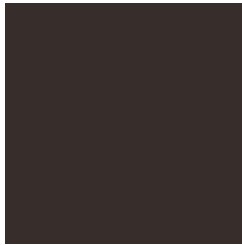
29, 20.646, 228.964



68, 38.965, 232.064

Previews

White Background



This preview shows how the CIELCh color 20, 4.623, 37.234 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, 4.623, 37.234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

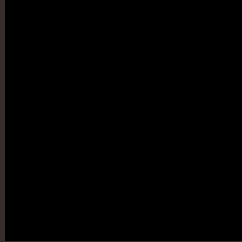
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 4.623, 37.234

Background



This preview shows how black text looks on a background with the CIELCh color 20, 4.623, 37.234.



This preview shows how white text looks on a background with the CIELCh color 20, 4.623, 37.234.

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, 4.623, 37.234

Protanopia

20, 2.244, 84.321

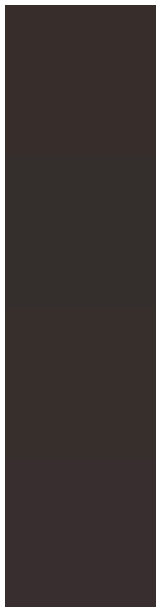
Deuteranopia

20, 4.426, 47.287



Tritanopia
20, 5.173, 357.430

Trichromacy



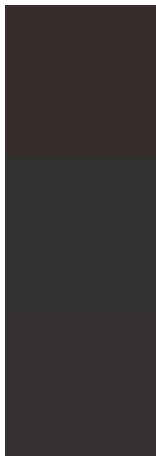
Original Color
20, 4.623, 37.234

Protanomaly
20, 2.769, 49.061

Deuteranomaly
20, 4.426, 47.287

Tritanomaly
20, 4.864, 12.451

Monochromacy



Original Color
20, 4.623, 37.234

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 1.575, 45.005

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 4.623, 37.234 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(55, 46, 44)` looks like.

```
.text, #text, p{  
    color:rgb(55, 46, 44)  
}
```

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(55, 46, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 46, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 4.623, 37.234 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(55, 46, 44) }
```

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

```
.border{ border-color:rgb(55, 46, 44) }
```

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

Here you see how a box with a 4 pixel rgb(55, 46, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 46, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 46, 44);  
box-shadow:4px 4px 4px 4px rgb(55, 46, 44)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 4.623, 37.234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 46, 44) }
```

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

```
.background{ background-color: rgb(55, 46,  
44) }
```

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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