

Converting Colors

CIELCh(20, 5.867, 20.647)

Have a look what the booklet for
CIELCh(20, 5.867, 20.647) contains.

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Color

CIELCh(20, 5.867, 20.647)

Conversions

Conversions Part 1

Format	Color
Hex	392D2D
RGB	57, 45, 45
RGB Percent	22%, 18%, 18%
CMY	0.7746, 0.8217, 0.8217
CMYK	0.00, 0.21, 0.21, 0.77
HSL	0°, 12%, 20%
HSV	0°, 21%, 23%
XYZ	3.1534, 2.9891, 2.9399
YIQ	48.5880, 7.1520, 2.5440

Conversions

Conversions Part 2

Format	Color
RYB	57, 45, 45
Decimal	3747117
CIELab	20.00, 5.49, 2.07
CIELCh	20, 5.867, 20.647
Yxy	2.9891, 0.3472, 0.3291
Android (android.graphics.Color)	4281937197 (0xFF392D2D)
YUV	48.5880, -1.7689, 7.3773
Hunter-Lab	17.2889, 2.3014, 2.0203

Details

The CIELCh color **20, 5.867, 20.647** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 5.220, 198.521**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **40, 5.602, 20.114**, and **1, 3.358, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **18, 8.963, 21.515**, and if you desaturate by 10%, it is **22, 2.960, 19.940**.

Distribution



Red (22%)

Green (18%)

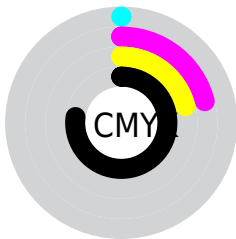
Blue (18%)



Red (22%)

Yellow (18%)

Blue (18%)

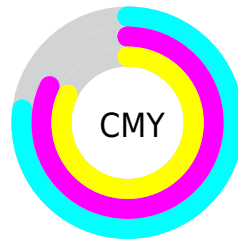


Cyan (0%)

Magenta (21%)

Yellow (21%)

Black (77%)



Cyan (77%)

Magenta (82%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 20, 5.867, 20.647 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, 5.867, 20.647 by changing the saturation by 10% instead.

■ 20, 5.867, 20.647

■ 20, 5.867, 20.647

■ 100, 5.867, 20.647

■ 10, 5.867, 20.647

■ 40, 5.867, 20.647

■ 0, 5.867, 20.647

■ 50, 5.867, 20.647

■ 60, 5.867, 20.647

■ 70, 5.867, 20.647

■ 80, 5.867, 20.647

■ 90, 5.867, 20.647

■ 20, 5.867, 20.647

■ 20, 5.867, 20.647

■ 18, 8.963, 21.515

■ 22, 2.960, 19.940

16, 12.243, 22.586

24, 0.240, 18.516

14, 15.682, 23.932

26, 2.302, 199.131

13, 19.237, 25.622

28, 4.681, 198.719

11, 22.599, 26.530

30, 6.911, 198.405

10, 25.436, 26.284

32, 9.007, 198.150

9, 27.967, 25.542

34, 10.984,
197.938

8, 30.483, 24.463

36, 12.853,
197.761

38, 14.628,
197.611

Harmonies

Complementary

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



20, 5.867, 20.647



23, 5.220, 198.521

Rectangle

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



20, 5.867, 20.647



20, 5.867, 70.647



20, 5.867, 200.647



20, 5.867, 250.647

Sweetspot

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



20, 5.866, 20.655



30, 1.977, 19.613



20, 9.822, 325.412



14, 1.324, 19.621



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



20, 5.866, 20.655



25, 8.808, 21.082



22, 4.988, 73.192



9, 1.458, 19.760



17, 46.055, 34.465



46, 93.315, 40.002

Inverse Universe

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



23, 5.220, 198.521



30, 7.592, 198.297



21, 4.761, 257.960



10, 1.395, 199.141



35, 23.751, 196.416



80, 44.707, 196.418

Previews

White Background



This preview shows how the CIELCh color 20, 5.867, 20.647 looks on a white background.

Color Contrast Check

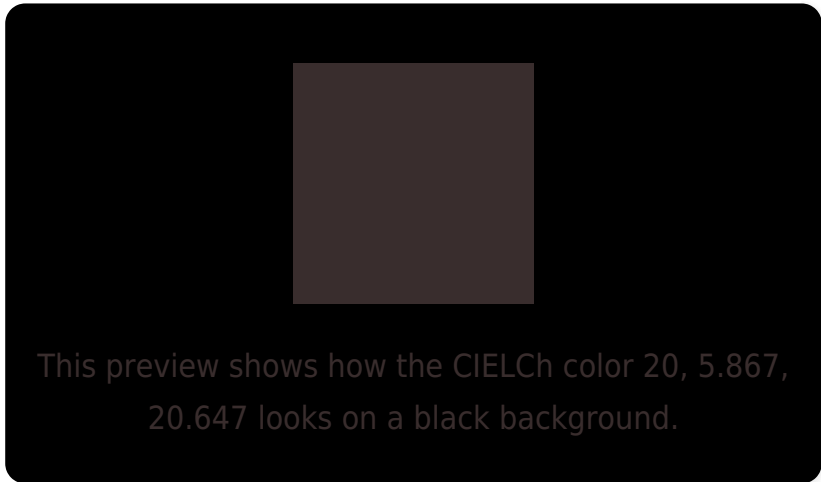
Large Text (above 18pt) WCAG AA ✓ Pass

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

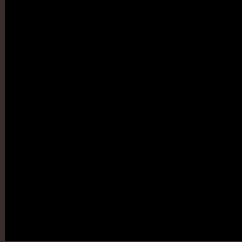
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 20, 5.867, 20.647

Background



This preview shows how black text looks on a background with the CIELCh color 20, 5.867, 20.647.

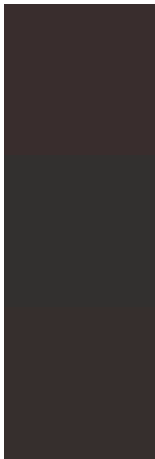


This preview shows how white text looks on a background with the CIELCh color 20, 5.867, 20.647.

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, 5.867, 20.647

Protanopia

20, 1.160, 55.143

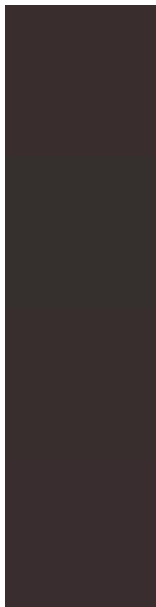
Deuteranopia

20, 3.664, 41.640



Tritanopia
20, 6.558, 2.874

Trichromacy



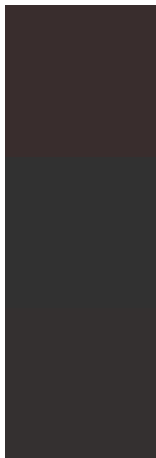
Original Color
20, 5.867, 20.647

Protanomaly
20, 2.966, 33.098

Deuteranomaly
20, 4.438, 29.023

Tritanomaly
20, 6.422, 8.693

Monochromacy



Original Color
20, 5.867, 20.647

Achromatopsia
20, 0.004, 296.813

Achromatomaly
20, 1.896, 19.690

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 20, 5.867, 20.647 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(57, 45, 45)` looks like.

```
.text, #text, p{  
    color:rgb(57, 45, 45)  
}
```

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(57, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 45, 45) }
```

Border

The CSS property to change the border of an element to CIELCh 20, 5.867, 20.647 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(57, 45, 45) }
```

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

```
.border{ border-color:rgb(57, 45, 45) }
```

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

Here you see how a box with a 4 pixel rgb(57, 45, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 45, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 45, 45);  
box-shadow:4px 4px 4px 4px rgb(57, 45, 45)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 20, 5.867, 20.647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 45, 45) }
```

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

```
.background{ background-color: rgb(57, 45,  
45) }
```

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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