

Converting Colors

CIE LCh(19, 7.233, 19.851)

Have a look what the booklet for
CIELCh(19, 7.233, 19.851) contains.

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Color

CIELCh(19, 6.926, 20.929)

Conversions

Conversions Part 1

Format	Color
Hex	392B2B
RGB	57, 43, 43
RGB Percent	22%, 17%, 17%
CMY	0.7774, 0.8323, 0.8323
CMYK	0.00, 0.25, 0.25, 0.78
HSL	0°, 14%, 20%
HSV	0°, 25%, 22%
XYZ	2.9612, 2.7468, 2.6378
YIQ	47.1860, 8.3440, 2.9680

Conversions

Conversions Part 2

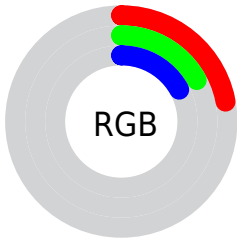
Format	Color
R_{YB}	57, 43, 43
Decimal	3746603
CIE Lab	19.00, 6.47, 2.47
CIE LCh	19, 6.926, 20.929
Yxy	2.7468, 0.3548, 0.3291
Android (android.graphics.Color)	4281936683 (0xFF392B2B)
YUV	47.1860, -2.0637, 8.6069
Hunter-Lab	16.5735, 2.8893, 2.1649

Details

The CIELCh color **19, 6.926, 20.929** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **23, 6.027, 198.346**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 6.969, 20.337**, and **0, 1.941, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 10.058, 21.864**, and if you desaturate by 10%, it is **21, 3.979, 20.178**.

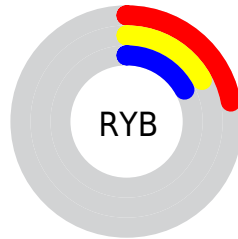
Distribution



Red (22%)

Green (17%)

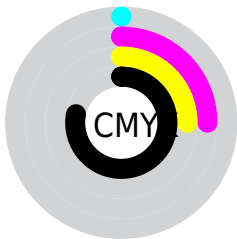
Blue (17%)



Red (22%)

Yellow (17%)

Blue (17%)

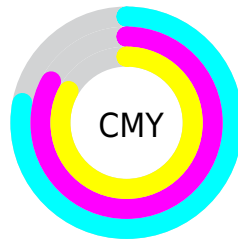


Cyan (0%)

Magenta (25%)

Yellow (25%)

Black (78%)



Cyan (78%)

Magenta (83%)

Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 6.926, 20.929 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 19, 6.926, 20.929 by changing the saturation by 10% instead.

 19, 6.926, 20.929  19, 6.926, 20.929

 100, 6.926, 20.929  9, 6.926, 20.929

 39, 6.926, 20.929  0, 6.926, 20.929

 49, 6.926, 20.929


 59, 6.926, 20.929

 69, 6.926, 20.929

 79, 6.926, 20.929

 89, 6.926, 20.929

 99, 6.926, 20.929

 19, 6.926, 20.929  19, 6.926, 20.929

17, 10.058, 21.864

21, 3.979, 20.178

15, 13.364, 23.025

23, 1.220, 19.460

14, 16.815, 24.484

25, 1.360, 199.338

12, 20.317, 26.068

27, 3.774, 198.842

11, 23.441, 26.318

29, 6.034, 198.500

10, 26.046, 25.792

31, 8.158, 198.225

8, 28.647, 24.817

33, 10.157,
197.998

8, 30.152, 24.112

35, 12.047,
197.808

37, 13.839,
197.648

Harmonies

Complementary

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



19, 6.926, 20.929



23, 6.027, 198.346

Rectangle

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



19, 6.926, 20.929



19, 6.926, 70.929



19, 6.926, 200.929



19, 6.926, 250.929

Sweetspot

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



19, 6.925, 20.936



30, 2.315, 19.676



20, 11.458, 325.584



14, 1.519, 19.674



68, 0.008, 296.813



15, 0.003, 296.813

Same Dimension

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



19, 6.925, 20.936



24, 10.754, 21.545



21, 5.859, 72.805



9, 1.459, 19.746



17, 46.058, 34.459



46, 93.318, 40.000

Inverse Universe

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



23, 6.027, 198.346



30, 8.969, 198.068



20, 5.541, 258.480



10, 1.395, 199.125



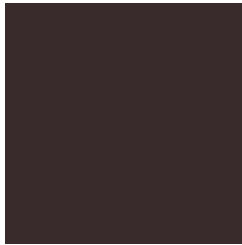
35, 23.757, 196.390



80, 44.719, 196.390

Previews

White Background



This preview shows how the CIELCh color 19, 6.926, 20.929 looks on a white background.

Color Contrast Check

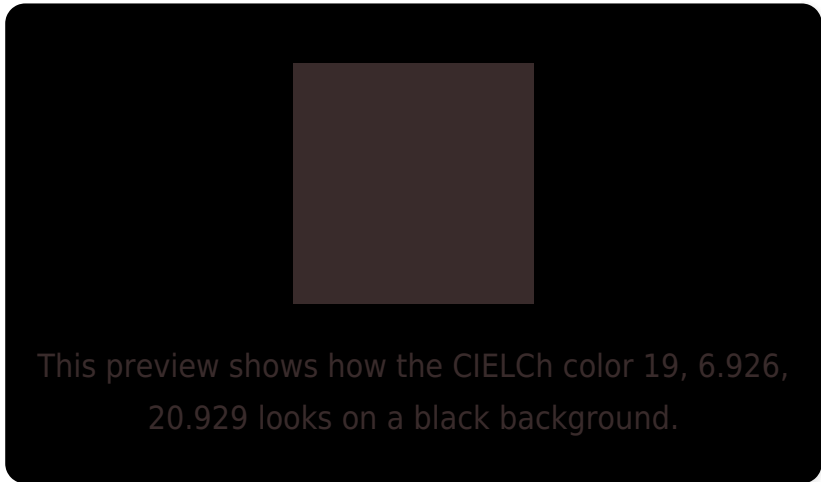
Large Text (above 18pt) WCAG AA ✓ Pass

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

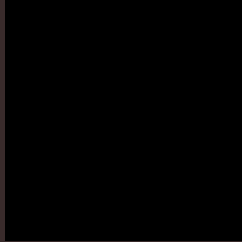
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 6.926, 20.929

Background



This preview shows how black text looks on a background with the CIELCh color 19, 6.926, 20.929.

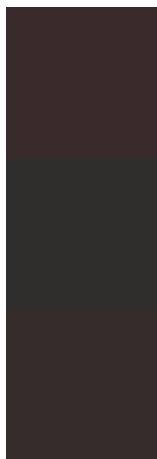


This preview shows how white text looks on a background with the CIELCh color 19, 6.926, 20.929.

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

19, 6.926, 20.929

Protanopia

19, 1.168, 55.135

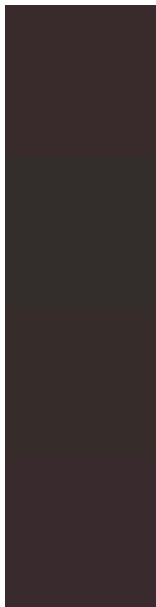
Deuteranopia

19, 4.018, 50.489



Tritanopia
19, 7.738, 0.658

Trichromacy



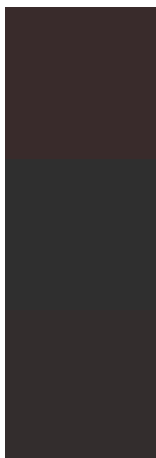
Original Color
19, 6.926, 20.929

Protanomaly
19, 2.989, 33.105

Deuteranomaly
19, 5.147, 35.679

Tritanomaly
19, 7.575, 5.576

Monochromacy



Original Color
19, 6.926, 20.929

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 2.891, 19.962

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 6.926, 20.929 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, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(57, 43, 43)  
}
```

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, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 43, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 6.926, 20.929 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, 43, 43) }
```

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

```
.border{ border-color:rgb(57, 43, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 43, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(57, 43, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 6.926, 20.929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 43, 43) }
```

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

```
.background{ background-color: rgb(57, 43,  
43) }
```

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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