

Converting Colors

CIELCh(19, 11.817, 12.935)

Have a look what the booklet for
CIELCh(19, 11.817, 12.935) contains.

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Color

CIELCh(19, 11.562, 12.161)

Conversions

Conversions Part 1

Format	Color
Hex	3F282B
RGB	63, 40, 43
RGB Percent	25%, 16%, 17%
CMY	0.7530, 0.8432, 0.8314
CMYK	0.00, 0.37, 0.32, 0.75
HSL	352°, 22%, 20%
HSV	352°, 37%, 25%
XYZ	3.2426, 2.7468, 2.6431
YIQ	47.2190, 12.7450, 5.8090

Conversions

Conversions Part 2

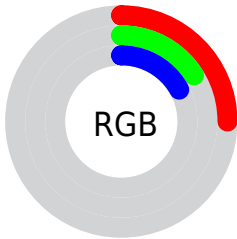
Format	Color
R_{YB}	63, 40, 43
Decimal	4139051
CIE _{Lab}	19.00, 11.30, 2.44
CIE _{LCh}	19, 11.562, 12.161
Yxy	2.7468, 0.3756, 0.3182
Android (android.graphics.Color)	4282329131 (0xFF3F282B)
YUV	47.2190, -2.0800, 13.8399
Hunter-Lab	16.5735, 5.9200, 2.1461

Details

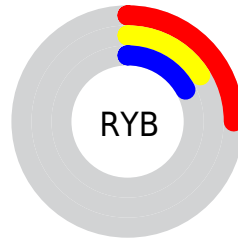
The CIELCh color **19, 11.562, 12.161** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **25, 9.821, 186.040**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 11.531, 12.026**, and **1, 5.120, 19.405** is the 20% darker color. If you saturate the color by 10%, you get **17, 15.034, 13.598**, and if you desaturate by 10%, it is **21, 8.197, 10.977**.

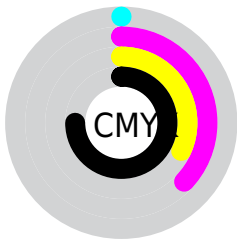
Distribution



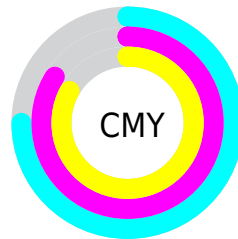
- Red (25%)
- Green (16%)
- Blue (17%)



- Red (25%)
- Yellow (16%)
- Blue (17%)



- Cyan (0%)
- Magenta (37%)
- Yellow (32%)
- Black (75%)



- Cyan (75%)
- Magenta (84%)
- Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 11.562, 12.161 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, 11.562, 12.161 by changing the saturation by 10% instead.

 19, 11.562, 12.161

 19, 11.562, 12.161

 100, 11.562,
12.161

 9, 11.562, 12.161

 39, 11.562, 12.161

 0, 11.562, 12.161

 49, 11.562, 12.161

 59, 11.562, 12.161

 69, 11.562, 12.161

 79, 11.562, 12.161

 89, 11.562, 12.161

 99, 11.562, 12.161

19, 11.562, 12.161

19, 11.562, 12.161

17, 15.034, 13.598

21, 8.197, 10.977

15, 18.561, 15.348

23, 4.975, 9.971

14, 22.065, 17.504

25, 1.911, 9.058

12, 25.437, 20.056

27, 0.992, 188.697

11, 28.337, 21.808

30, 3.738, 187.898

10, 31.091, 21.865

32, 6.336, 187.323

10, 32.082, 21.545

34, 8.797, 186.825

36, 11.132,
186.383

38, 13.353,
185.986

Harmonies

Complementary

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



19, 11.562, 12.161



25, 9.821, 186.040

Rectangle

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



19, 11.562, 12.161



19, 11.562, 62.161



19, 11.562, 192.161



19, 11.562, 242.161

Sweetspot

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



19, 11.561, 12.165



32, 4.057, 9.511



19, 17.871, 322.246



15, 2.682, 9.543



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



19, 11.561, 12.165



23, 17.624, 13.502



21, 9.429, 57.017



10, 1.597, 9.233



18, 44.849, 29.455



46, 88.170, 34.764

Inverse Universe

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



19, 11.561, 12.165



23, 17.624, 13.502



22, 8.010, 243.970



10, 1.597, 9.233



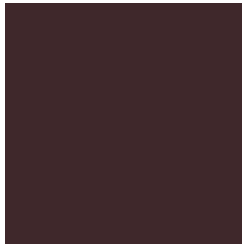
18, 44.849, 29.455



46, 88.170, 34.764

Previews

White Background



This preview shows how the CIE LCh color 19, 11.562, 12.161 looks on a white background.

Color Contrast Check

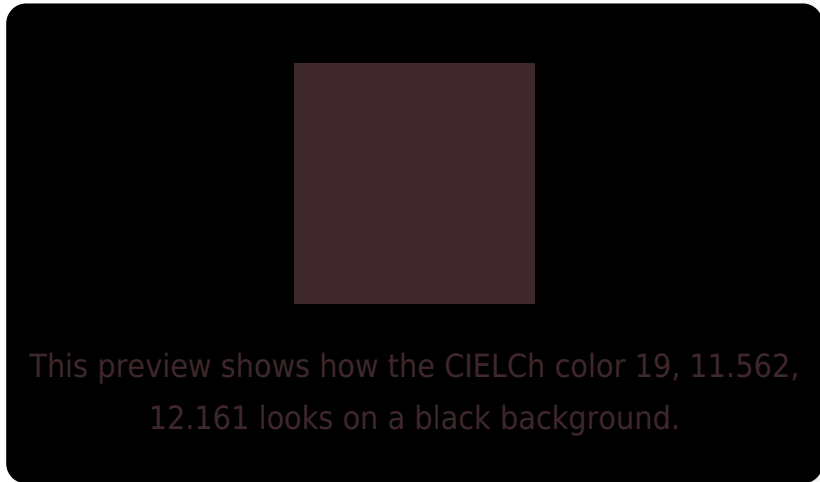
Large Text (above 18pt) WCAG AA ✓ Pass

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

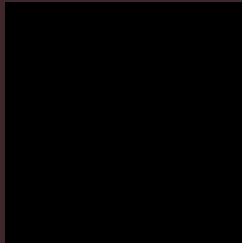
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 11.562, 12.161

Background



This preview shows how black text looks on a background with the CIELCh color 19, 11.562, 12.161.

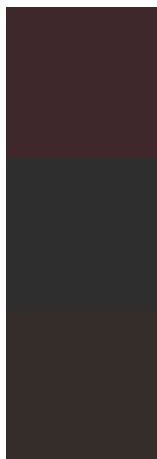


This preview shows how white text looks on a background with the CIELCh color 19, 11.562, 12.161.

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, 11.562, 12.161

Protanopia

19, 0.473, 19.084

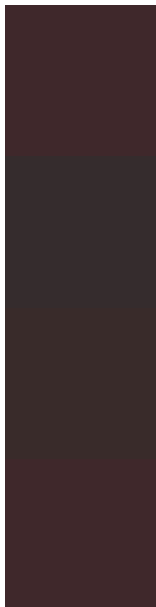
Deuteranopia

19, 4.461, 47.266



Tritanopia
19, 11.562, 12.161

Trichromacy



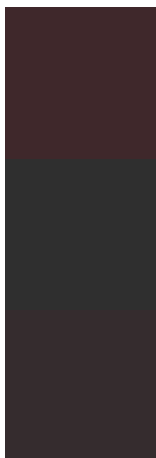
Original Color
19, 11.562, 12.161

Protanomaly
19, 4.410, 11.478

Deuteranomaly
19, 7.015, 26.439

Tritanomaly
19, 11.562, 12.161

Monochromacy



Original Color
19, 11.562, 12.161

Achromatopsia
19, 0.004, 296.813

Achromatomaly
19, 4.539, 2.934

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 11.562, 12.161 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, 40, 43)` looks like.

```
.text, #text, p{  
    color:rgb(63, 40, 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(63, 40, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 40, 43) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 11.562, 12.161 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, 40, 43) }
```

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

```
.border{ border-color:rgb(63, 40, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 40, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 40, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 40, 43);  
box-shadow:4px 4px 4px 4px rgb(63, 40, 43)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 11.562, 12.161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 40, 43) }
```

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

```
.background{ background-color: rgb(63, 40,  
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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