

Converting Colors

CIELCh(19, 18.563, 331.286)

Have a look what the booklet for
CIELCh(19, 18.563, 331.286)
contains.

CIELCh(19, 17.986, 331.312)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(19, 17.986, 331.312)

Conversions

Conversions Part 1

Format	Color
Hex	3F263B
RGB	63, 38, 59
RGB Percent	25%, 15%, 23%
CMY	0.7534, 0.8514, 0.7691
CMYK	0.00, 0.40, 0.06, 0.75
HSL	310°, 25%, 20%
HSV	310°, 40%, 25%
XYZ	3.5186, 2.7468, 4.4670
YIQ	47.8690, 8.1590, 11.8310

Conversions

Conversions Part 2

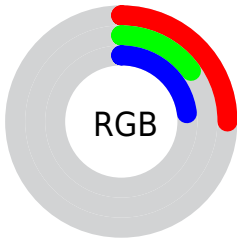
Format	Color
R_{YB}	63, 38, 59
Decimal	4138555
CIE Lab	19.00, 15.78, -8.63
CIE LCh	19, 17.986, 331.312
Yxy	2.7468, 0.3278, 0.2559
Android (android.graphics.Color)	4282328635 (0xFF3F263B)
YUV	47.8690, 5.4876, 13.2699
Hunter-Lab	16.5735, 8.8921, -4.3788




Details

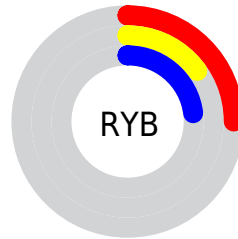
The CIELCh color **19, 17.986, 331.312** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **24, 17.949, 146.489**, and the grayscale version is **20, 0.004, 296.813**.




A 20% lighter version of the original color is **39, 18.114, 331.271**, and **2, 9.456, 332.688** is the 20% darker color. If you saturate the color by 10%, you get **17, 22.294, 331.878**, and if you desaturate by 10%, it is **21, 13.506, 330.752**.

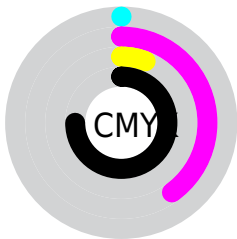
Distribution







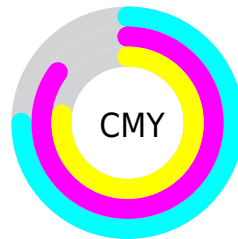
-  Red (25%)
-  Green (15%)
-  Blue (23%)






-  Red (25%)
-  Yellow (15%)
-  Blue (23%)



-  Cyan (0%)
-  Magenta (40%)
-  Yellow (6%)
-  Black (75%)



-  Cyan (75%)
-  Magenta (85%)
-  Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 17.986, 331.312 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, 17.986, 331.312 by changing the saturation by 10% instead.

■ 19, 17.986,
331.312

■ 19, 17.986,
331.312

■ 100, 17.986,
331.312

■ 9, 17.986, 331.312

■ 39, 17.986,
331.312

■ 0, 17.986, 331.312

■ 49, 17.986,
331.312


■ 59, 17.986,
331.312


■ 69, 17.986,
331.312


■ 79, 17.986,
331.312


■ 89, 17.986,


331.312


 99, 17.986,
331.312

 19, 17.986,
331.312


 19, 17.986,
331.312

 17, 22.294,
331.878

 21, 13.506,
330.752


 16, 26.313,
332.449

 23, 8.954, 330.199


 14, 29.898,
333.025

 25, 4.398, 329.648

 27, 0.113, 150.324

 13, 32.896,
333.611

 29, 4.545, 148.681

 12, 35.335,
334.201

 31, 8.881, 148.181

■ 11, 37.944,
334.744

■ 33, 13.108,
147.711

■ 11, 38.016,
334.758

■ 35, 17.222,
147.264

■ 37, 21.222,
146.839

Harmonies

Complementary

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



19, 17.986, 331.312



24, 17.949, 146.489

Rectangle

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



19, 17.986, 331.312



19, 17.986, 21.312



19, 17.986, 151.312



19, 17.986, 201.312

Sweetspot

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



19, 17.985, 331.312



32, 6.741, 329.802



17, 17.561, 299.355



15, 4.396, 329.814



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, 17.985, 331.312



24, 26.715, 331.898



19, 13.333, 356.464



10, 2.448, 329.571



20, 49.668, 335.253



51, 91.680, 335.921

Inverse Universe

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



19, 17.985, 331.312



24, 26.715, 331.898



24, 12.249, 169.092



10, 2.448, 329.571



20, 49.668, 335.253



51, 91.680, 335.921

Previews

White Background



This preview shows how the CIELCh color 19, 17.986, 331.312 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 CIELCh color 19, 17.986, 331.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

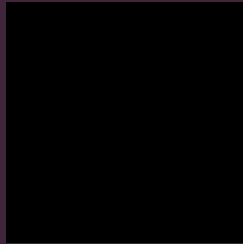
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 17.986, 331.312

Background



This preview shows how black text looks on a background with the CIELCh color 19, 17.986, 331.312.



This preview shows how white text looks on a background with the CIELCh color 19, 17.986, 331.312.

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, 17.986, 331.312

Protanopia

19, 13.088, 284.598

Deuteranopia

19, 7.539, 288.716



Tritanopia
19, 10.037, 10.167

Trichromacy



Original Color
19, 17.986, 331.312

Protanomaly
19, 14.019, 303.657

Deuteranomaly
19, 11.076, 313.444

Tritanomaly
19, 12.062, 352.041

Monochromacy



Original Color
19, 17.986, 331.312

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 6.896, 328.430

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 17.986, 331.312 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, 38, 59)` looks like.

```
.text, #text, p{  
    color:rgb(63, 38, 59)  
}
```

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, 38, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 38, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 17.986, 331.312 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, 38, 59) }
```

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

```
.border{ border-color:rgb(63, 38, 59) }
```

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

Here you see how a box with a 4 pixel rgb(63, 38, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 38, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 38, 59);  
box-shadow:4px 4px 4px 4px rgb(63, 38, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 17.986, 331.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 38, 59) }
```

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

```
.background{ background-color: rgb(63, 38,  
59) }
```

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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