

Converting Colors

CIELCh(19, 24.071, 333.957)

Have a look what the booklet for
CIELCh(19, 24.071, 333.957)
contains.

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Color

CIELCh(19, 23.851, 333.497)

Conversions

Conversions Part 1

Format	Color
Hex	45223E
RGB	69, 34, 62
RGB Percent	27%, 13%, 24%
CMY	0.7298, 0.8670, 0.7572
CMYK	0.00, 0.51, 0.10, 0.73
HSL	312°, 34%, 20%
HSV	312°, 51%, 27%
XYZ	3.8831, 2.7468, 4.8689
YIQ	47.6570, 11.8720, 16.1280

Conversions

Conversions Part 2

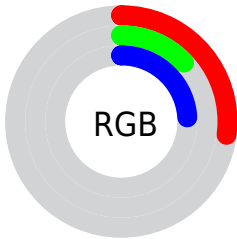
Format	Color
R_{YB}	69, 34, 62
Decimal	4530750
CIE _{Lab}	19.00, 21.34, -10.64
CIE _{LCh}	19, 23.851, 333.497
Yxy	2.7468, 0.3377, 0.2389
Android (android.graphics.Color)	4282720830 (0xFF45223E)
YUV	47.6570, 7.0711, 18.7178
Hunter-Lab	16.5735, 12.8179, -5.8164

Details

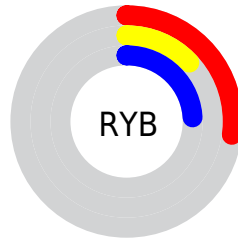
The CIELCh color **19, 23.851, 333.497** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **26, 23.831, 146.657**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **39, 23.759, 332.895**, and **2, 13.334, 335.219** is the 20% darker color. If you saturate the color by 10%, you get **17, 28.002, 334.141**, and if you desaturate by 10%, it is **21, 19.361, 332.873**.

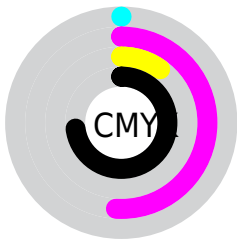
Distribution



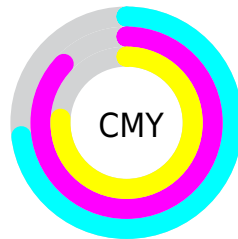
- Red (27%)
- Green (13%)
- Blue (24%)



- Red (27%)
- Yellow (13%)
- Blue (24%)



- Cyan (0%)
- Magenta (51%)
- Yellow (10%)
- Black (73%)



- Cyan (73%)
- Magenta (87%)
- Yellow (76%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 23.851, 333.497 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, 23.851, 333.497 by changing the saturation by 10% instead.

 19, 23.851,
333.497

 19, 23.851,
333.497

 100, 23.851,
333.497

 9, 23.851, 333.497

 39, 23.851,
333.497

 0, 23.851, 333.497

 49, 23.851,
333.497

 59, 23.851,
333.497

 69, 23.851,
333.497

 79, 23.851,
333.497


 89, 23.851,


333.497


 99, 23.851,
333.497


 19, 23.851,
333.497


 19, 23.851,
333.497

 17, 28.002,
334.141


 21, 19.361,
332.873


 16, 31.654,
334.811


 23, 14.675,
332.265

 15, 34.636,
335.518

 25, 9.899, 331.673

 14, 36.960,
336.258

 27, 5.113, 331.091

 13, 39.219,
336.888

 29, 0.373, 330.182

 31, 4.284, 150.075

■ 34, 8.838, 149.551

■ 36, 13.276,
149.061

■ 38, 17.593,
148.597

Harmonies

Complementary

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



19, 23.851, 333.497



26, 23.831, 146.657

Rectangle

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



19, 23.851, 333.497



19, 23.851, 23.497



19, 23.851, 153.497



19, 23.851, 203.497

Sweetspot

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



19, 23.850, 333.497



34, 8.838, 331.371



16, 24.724, 301.648



16, 6.084, 331.429



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



19, 23.850, 333.497



23, 34.601, 334.317



18, 18.258, 0.492



13, 2.717, 330.964



21, 50.035, 337.465



51, 90.444, 338.314

Inverse Universe

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



19, 23.850, 333.497



23, 34.601, 334.317



26, 16.092, 170.043



13, 2.717, 330.964



21, 50.035, 337.465



51, 90.444, 338.314

Previews

White Background



This preview shows how the CIE LCh color 19, 23.851, 333.497 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, 23.851, 333.497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

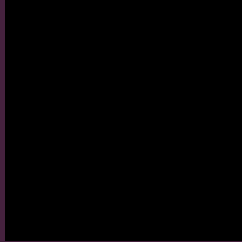
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 19, 23.851, 333.497

Background



This preview shows how black text looks on a background with the CIELCh color 19, 23.851, 333.497.



This preview shows how white text looks on a background with the CIELCh color 19, 23.851, 333.497.

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, 23.851, 333.497

Protanopia

19, 17.224, 284.374

Deuteranopia

19, 9.602, 287.472



Tritanopia
19, 14.140, 17.453

Trichromacy



Original Color
19, 23.851, 333.497

Protanomaly
19, 18.137, 303.144

Deuteranomaly
19, 13.926, 312.979

Tritanomaly
19, 16.627, 354.800

Monochromacy



Original Color
19, 23.851, 333.497

Achromatopsia
20, 0.004, 296.813

Achromatomaly
19, 9.099, 332.905

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 23.851, 333.497 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(69, 34, 62)` looks like.

```
.text, #text, p{  
    color:rgb(69, 34, 62)  
}
```

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(69, 34, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 34, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 23.851, 333.497 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(69, 34, 62) }
```

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

```
.border{ border-color:rgb(69, 34, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 34, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 34, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 34, 62);  
box-shadow:4px 4px 4px 4px rgb(69, 34, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 23.851, 333.497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 34, 62) }
```

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

```
.background{ background-color: rgb(69, 34,  
62) }
```

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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