

Converting Colors

CIELCh(19, 12.612, 243.576)

Have a look what the booklet for
CIELCh(19, 12.612, 243.576)
contains.

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Color

CIELCh(19, 12.480, 244.225)

Conversions

Conversions Part 1

Format	Color
Hex	17313E
RGB	23, 49, 62
RGB Percent	9%, 19%, 24%
CMY	0.9090, 0.8071, 0.7561
CMYK	0.63, 0.21, 0.00, 0.76
HSL	200°, 46%, 17%
HSV	200°, 63%, 24%
XYZ	2.3390, 2.7468, 4.9923
YIQ	42.7080, -19.6690, -1.4690

Conversions

Conversions Part 2

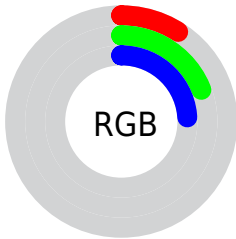
Format	Color
RYB	23, 39, 62
Decimal	1519934
CIELab	19.00, -5.43, -11.24
CIELCh	19, 12.480, 244.225
Yxy	2.7468, 0.2321, 0.2726
Android (android.graphics.Color)	4279710014 (0xFF17313E)
YUV	42.7080, 9.5110, -17.2839
Hunter-Lab	16.5735, -3.8118, -6.2580

Details

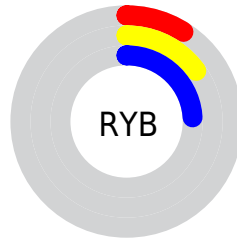
The CIELCh color **19, 12.480, 244.225** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 17.462, 52.151**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 12.646, 245.559**, and **1, 8.892, 288.391** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.988, 246.758**, and if you desaturate by 10%, it is **20, 10.817, 242.113**.

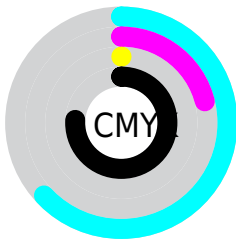
Distribution



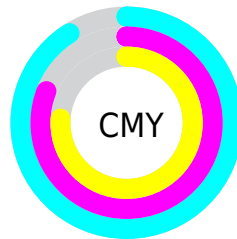
- Red (9%)
- Green (19%)
- Blue (24%)



- Red (9%)
- Yellow (15%)
- Blue (24%)



- Cyan (63%)
- Magenta (21%)
- Yellow (0%)
- Black (76%)



- Cyan (91%)
- Magenta (81%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 12.480, 244.225 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, 12.480, 244.225 by changing the saturation by 10% instead.

■ 19, 12.480,
244.225

■ 19, 12.480,
244.225

■ 100, 12.480,
244.225

■ 9, 12.480, 244.225

■ 39, 12.480,
244.225

■ 0, 12.480, 244.225

■ 49, 12.480,
244.225


■ 59, 12.480,
244.225


■ 69, 12.480,
244.225


■ 79, 12.480,
244.225


■ 89, 12.480,


244.225


 99, 12.480,
244.225

 19, 12.480,
244.225


 19, 12.480,
244.225

 18, 13.988,
246.758

 20, 10.817,
242.113


 17, 15.343,
249.766

 21, 9.007, 240.367

 16, 16.648,
252.856

 22, 7.064, 238.929

 24, 5.006, 237.752

 15, 17.658,
254.776

 25, 2.850, 236.804

 26, 0.614, 236.267

■ 27, 1.685, 55.124

■ 28, 4.034, 54.642

■ 30, 6.421, 54.199

Harmonies

Complementary

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



19, 12.480, 244.225



17, 17.462, 52.151

Rectangle

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



19, 12.480, 244.225



19, 12.480, 294.225



19, 12.480, 64.225



19, 12.480, 114.225

Sweetspot

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



19, 12.480, 244.224



32, 5.284, 237.462



23, 24.022, 150.218



15, 3.567, 237.574



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, 12.480, 244.224



24, 17.726, 248.425



12, 23.428, 291.594



11, 1.239, 236.476



25, 24.145, 258.408



58, 47.000, 262.791

Inverse Universe

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



15, 24.252, 340.279



18, 34.568, 341.920



23, 21.206, 96.043



10, 2.162, 336.143



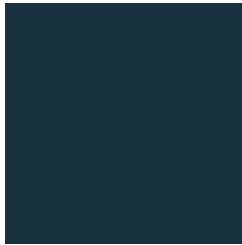
19, 44.254, 345.815



49, 81.218, 347.749

Previews

White Background



This preview shows how the CIE LCh color 19, 12.480, 244.225 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, 12.480, 244.225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

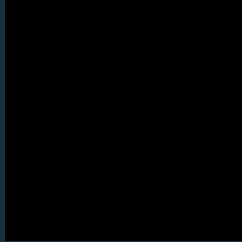
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

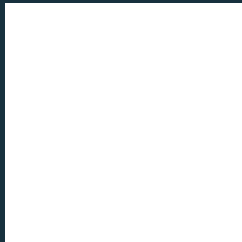
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 12.480, 244.225

Background



This preview shows how black text looks on a background with the CIELCh color 19, 12.480, 244.225.



This preview shows how white text looks on a background with the CIELCh color 19, 12.480, 244.225.

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

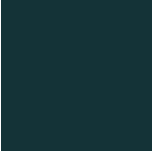
19, 12.480, 244.225

Protanopia

19, 9.637, 285.033

Deuteranopia

19, 11.750, 283.126



Tritanopia
19, 11.695, 211.029

Trichromacy



Original Color
19, 12.480, 244.225

Protanomaly
19, 10.371, 267.577

Deuteranomaly
19, 11.713, 269.415

Tritanomaly
19, 11.627, 226.099

Monochromacy



Original Color
19, 12.480, 244.225

Achromatopsia
18, 0.003, 296.813

Achromatomaly
18, 5.136, 241.340

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 12.480, 244.225 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(23, 49, 62)` looks like.

```
.text, #text, p{  
    color:rgb(23, 49, 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(23, 49, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 49, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 12.480, 244.225 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(23, 49, 62) }
```

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

```
.border{ border-color:rgb(23, 49, 62) }
```

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

Here you see how a box with a 4 pixel rgb(23, 49, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 49, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 49, 62);  
box-shadow:4px 4px 4px 4px rgb(23, 49, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 12.480, 244.225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 49, 62) }
```

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

```
.background{ background-color: rgb(23, 49,  
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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