

Converting Colors

CIELCh(19, 12.486, 224.096)

Have a look what the booklet for
CIELCh(19, 12.486, 224.096)
contains.

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Color

CIELCh(19, 12.292, 224.329)

Conversions

Conversions Part 1

Format	Color
Hex	12323A
RGB	18, 50, 58
RGB Percent	7%, 20%, 23%
CMY	0.9281, 0.8028, 0.7714
CMYK	0.69, 0.14, 0.00, 0.77
HSL	192°, 52%, 15%
HSV	192°, 69%, 23%
XYZ	2.1804, 2.7468, 4.4584
YIQ	41.3440, -21.6400, -4.2960

Conversions

Conversions Part 2

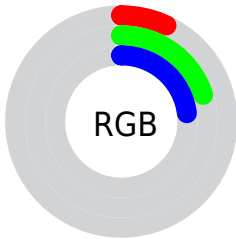
Format	Color
R_{YB}	18, 36, 58
Decimal	1192506
CIE Lab	19.00, -8.79, -8.59
CIE LCh	19, 12.292, 224.329
Yxy	2.7468, 0.2323, 0.2927
Android (android.graphics.Color)	4279382586 (0xFF12323A)
YUV	41.3440, 8.2114, -20.4727
Hunter-Lab	16.5735, -5.5208, -4.3478

Details

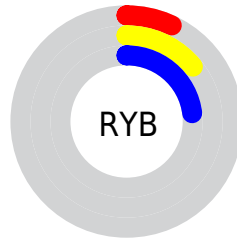
The CIELCh color **19, 12.292, 224.329** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **14, 19.409, 40.106**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 12.113, 225.500**, and **1, 5.946, 287.505** is the 20% darker color. If you saturate the color by 10%, you get **18, 13.339, 225.988**, and if you desaturate by 10%, it is **20, 11.016, 223.003**.

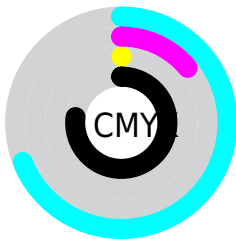
Distribution



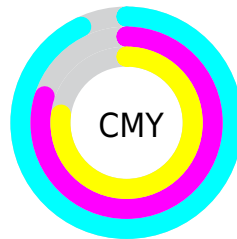
- Red (7%)
- Green (20%)
- Blue (23%)



- Red (7%)
- Yellow (14%)
- Blue (23%)



- Cyan (69%)
- Magenta (14%)
- Yellow (0%)
- Black (77%)





- Cyan (93%)
- Magenta (80%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 12.292, 224.329 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, 12.292, 224.329 by changing the saturation by 10% instead.

 19, 12.292,
224.329


 19, 12.292,
224.329


 100, 12.292,
224.329


 9, 12.292, 224.329


 39, 12.292,
224.329

 0, 12.292, 224.329

 49, 12.292,
224.329


 59, 12.292,
224.329


 69, 12.292,
224.329


 79, 12.292,
224.329


 89, 12.292,


224.329


 99, 12.292,
224.329

 19, 12.292,
224.329


 19, 12.292,
224.329

 18, 13.339,
225.988

 20, 11.016,
223.003


 18, 14.202,
227.916

 20, 9.527, 221.960

 17, 15.098,
229.602

 21, 7.844, 221.154

 22, 5.993, 220.545

 17, 15.233,
229.823

 23, 3.999, 220.103

 24, 1.885, 219.834

■ 25, 0.326, 38.785

■ 26, 2.614, 39.250

■ 27, 4.962, 39.211

Harmonies

Complementary

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



19, 12.292, 224.329



14, 19.409, 40.106

Rectangle

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



19, 12.292, 224.329



19, 12.292, 274.329



19, 12.292, 44.329



19, 12.292, 94.329

Sweetspot

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



19, 12.292, 224.328



30, 5.631, 220.238



21, 27.336, 144.863



14, 3.734, 220.267



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, 12.292, 224.328



25, 16.713, 227.468



12, 20.413, 285.101



10, 1.183, 219.831



28, 20.719, 232.718



66, 39.258, 236.127

Inverse Universe

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



13, 27.028, 334.537



17, 37.841, 335.729



20, 19.811, 85.924



9, 2.206, 330.941



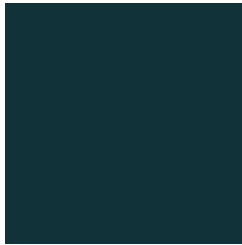
19, 47.373, 337.373



50, 88.140, 338.313

Previews

White Background



This preview shows how the CIE LCh color 19, 12.292, 224.329 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 CIE LCh color 19, 12.292, 224.329 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

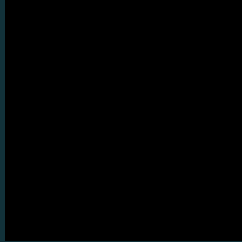
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

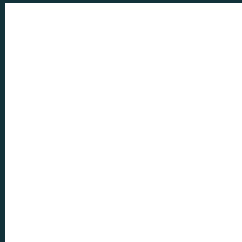
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 12.292, 224.329

Background



This preview shows how black text looks on a background with the CIELCh color 19, 12.292, 224.329.



This preview shows how white text looks on a background with the CIELCh color 19, 12.292, 224.329.

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, 12.292, 224.329

Protanopia

19, 6.212, 283.609

Deuteranopia

19, 9.615, 289.991



Tritanopia
19, 12.648, 209.821

Trichromacy



Original Color
19, 12.292, 224.329

Protanomaly
19, 7.509, 245.907

Deuteranomaly
19, 9.358, 261.184

Tritanomaly
19, 12.444, 213.414

Monochromacy



Original Color
19, 12.292, 224.329

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 5.548, 220.581

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 12.292, 224.329 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(18, 50, 58)` looks like.

```
.text, #text, p{  
    color:rgb(18, 50, 58)  
}
```

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(18, 50, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 50, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 12.292, 224.329 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(18, 50, 58) }
```

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

```
.border{ border-color:rgb(18, 50, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 50, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 50, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 50, 58);  
box-shadow:4px 4px 4px 4px rgb(18, 50, 58)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 12.292, 224.329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 50, 58) }
```

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

```
.background{ background-color: rgb(18, 50,  
58) }
```

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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