

Converting Colors

CIELCh(19, 13.491, 243.163)

Have a look what the booklet for
CIELCh(19, 13.491, 243.163)
contains.

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Color

CIELCh(19, 13.214, 240.752)

Conversions

Conversions Part 1

Format	Color
Hex	14323F
RGB	20, 50, 63
RGB Percent	8%, 20%, 25%
CMY	0.9233, 0.8054, 0.7545
CMYK	0.69, 0.21, 0.00, 0.75
HSL	198°, 52%, 16%
HSV	198°, 69%, 25%
XYZ	2.2897, 2.7468, 5.0535
YIQ	42.5120, -22.0530, -2.3170

Conversions

Conversions Part 2

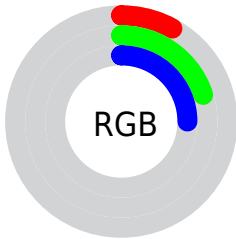
Format	Color
RYB	20, 38, 63
Decimal	1323583
CIELab	19.00, -6.46, -11.53
CIElCh	19, 13.214, 240.752
Yxy	2.7468, 0.2269, 0.2722
Android (android.graphics.Color)	4279513663 (0xFF14323F)
YUV	42.5120, 10.1006, -19.7430
Hunter-Lab	16.5735, -4.3430, -6.4768

Details

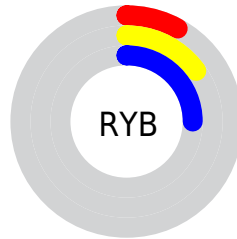
The CIELCh color **19, 13.214, 240.752** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 19.826, 49.010**, and the grayscale version is **17, 0.003, 296.813**.

A 20% lighter version of the original color is **39, 13.315, 242.409**, and **1, 9.561, 288.516** is the 20% darker color. If you saturate the color by 10%, you get **18, 14.522, 243.385**, and if you desaturate by 10%, it is **20, 11.725, 238.568**.

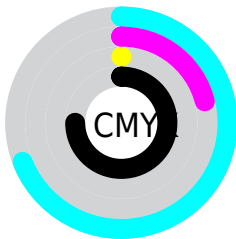
Distribution



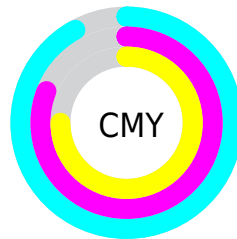
- Red (8%)
- Green (20%)
- Blue (25%)



- Red (8%)
- Yellow (15%)
- Blue (25%)



- Cyan (69%)
- Magenta (21%)
- Yellow (0%)
- Black (75%)



- Cyan (92%)
- Magenta (81%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 19, 13.214, 240.752 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, 13.214, 240.752 by changing the saturation by 10% instead.

■ 19, 13.214,
240.752

■ 19, 13.214,
240.752

■ 100, 13.214,
240.752

■ 9, 13.214, 240.752

■ 39, 13.214,
240.752

■ 0, 13.214, 240.752

■ 49, 13.214,
240.752


■ 59, 13.214,
240.752


■ 69, 13.214,
240.752


■ 79, 13.214,
240.752


■ 89, 13.214,


240.752


 99, 13.214,
240.752


 19, 13.214,
240.752


 19, 13.214,
240.752

 18, 14.522,
243.385


 20, 11.725,
238.568

 17, 15.686,
246.400

 21, 10.061,
236.774

 16, 16.900,
249.050

 22, 8.236, 235.311

 16, 17.057,
249.347

 23, 6.269, 234.124

 24, 4.179, 233.171

 25, 1.988, 232.441

■ 27, 0.285, 50.913

■ 28, 2.625, 51.087

■ 29, 5.015, 50.707

Harmonies

Complementary

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



19, 13.214, 240.752



16, 19.826, 49.010

Rectangle

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



19, 13.214, 240.752



19, 13.214, 290.752



19, 13.214, 60.752



19, 13.214, 110.752

Sweetspot

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



19, 13.214, 240.751



32, 5.798, 233.450



23, 26.916, 148.162



14, 3.850, 233.528



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, 13.214, 240.751



24, 18.430, 245.831



12, 24.977, 291.283



11, 1.238, 232.420



26, 23.046, 252.795



61, 44.452, 257.096

Inverse Universe

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



14, 26.841, 339.257



18, 37.458, 341.109



23, 22.616, 93.201



10, 2.212, 334.807



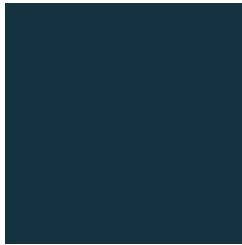
19, 45.109, 343.619



49, 82.814, 345.276

Previews

White Background



This preview shows how the CIELCh color 19, 13.214, 240.752 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, 13.214, 240.752 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

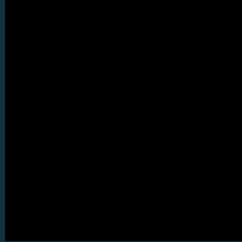
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

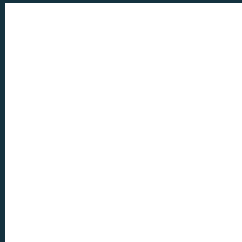
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 19, 13.214, 240.752

Background



This preview shows how black text looks on a background with the CIELCh color 19, 13.214, 240.752.



This preview shows how white text looks on a background with the CIELCh color 19, 13.214, 240.752.

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

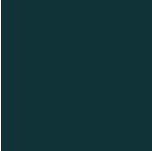
19, 13.214, 240.752

Protanopia

19, 9.637, 285.033

Deuteranopia

19, 12.419, 283.894



Tritanopia
19, 12.865, 209.568

Trichromacy



Original Color
19, 13.214, 240.752

Protanomaly
19, 10.662, 263.960

Deuteranomaly
19, 11.973, 266.277

Tritanomaly
19, 12.501, 223.814

Monochromacy



Original Color
19, 13.214, 240.752

Achromatopsia
17, 0.003, 296.813

Achromatomaly
18, 5.431, 229.413

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 19, 13.214, 240.752 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(20, 50, 63)` looks like.

```
.text, #text, p{  
    color:rgb(20, 50, 63)  
}
```

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(20, 50, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 50, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 19, 13.214, 240.752 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(20, 50, 63) }
```

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

```
.border{ border-color:rgb(20, 50, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 50, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 50, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 50, 63);  
box-shadow:4px 4px 4px 4px rgb(20, 50, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 19, 13.214, 240.752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 50, 63) }
```

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

```
.background{ background-color: rgb(20, 50,  
63) }
```

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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