

Converting Colors

CIELCh(24, 19.442, 190.312)

Have a look what the booklet for
CIELCh(24, 19.442, 190.312)
contains.

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Color

CIELCh(24, 19.442, 190.312)

Conversions

Conversions Part 1

Format	Color
Hex	00413E
RGB	0, 65, 62
RGB Percent	0%, 25%, 24%
CMY	1.0000, 0.7459, 0.7577
CMYK	1.00, 0.00, 0.05, 0.75
HSL	177°, 100%, 13%
HSV	177°, 100%, 25%
XYZ	2.7386, 4.1002, 5.1750
YIQ	45.2230, -37.7770, -14.7130

Conversions

Conversions Part 2

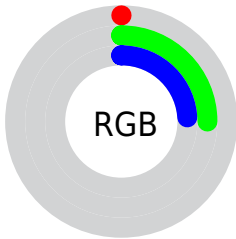
Format	Color
R _Y B	0, 33, 65
Decimal	16702
CIE Lab	24.00, -19.13, -3.48
CIE LCh	24, 19.442, 190.312
Yxy	4.1002, 0.2280, 0.3413
Android (android.graphics.Color)	4278206782 (0xFF00413E)
YUV	45.2230, 8.2711, -39.6606
Hunter-Lab	20.2490, -11.2939, -0.9784

Details

The CIELCh color **24, 19.442, 190.312** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 33.454, 25.720**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 19.275, 190.024**, and **6, 8.127, 184.525** is the 20% darker color. If you saturate the color by 10%, you get **24, 19.402, 190.305**, and if you desaturate by 10%, it is **24, 18.395, 190.771**.

Distribution



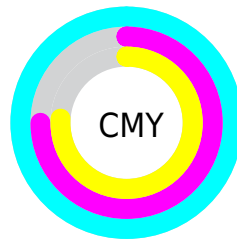
- Red (0%)
- Green (25%)
- Blue (24%)



- Red (0%)
- Yellow (13%)
- Blue (25%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (75%)





- Cyan (100%)
- Magenta (75%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 19.442, 190.312 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 24, 19.442, 190.312 by changing the saturation by 10% instead.

 24, 19.442,
190.312


 24, 19.442,
190.312

 100, 19.442,
190.312


 14, 19.442,
190.312


 44, 19.442,
190.312


 4, 19.442, 190.312

 54, 19.442,
190.312

 0, 19.442, 190.312

 64, 19.442,
190.312

 74, 19.442,
190.312

 84, 19.442,
190.312

 94, 19.442,

190.312

■ 24, 19.442,
190.312

■ 24, 19.442,
190.312

■ 24, 19.402,
190.305

■ 24, 18.395,
190.771

■ 24, 17.384,
191.272

■ 24, 16.109,
191.777

■ 25, 14.525,
192.287

■ 25, 12.649,
192.806

■ 25, 10.508,
193.339

■ 26, 8.137, 193.888

■ 26, 5.571, 194.458

■ 27, 2.847, 195.069

Harmonies

Complementary

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



24, 19.442, 190.312



10, 33.454, 25.720

Rectangle

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



24, 19.442, 190.312



24, 19.442, 240.312



24, 19.442, 10.312



24, 19.442, 60.312

Sweetspot

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



24, 19.402, 190.305



34, 10.076, 193.816



23, 43.959, 135.998



16, 6.897, 193.716



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



24, 19.402, 190.305



32, 23.166, 190.054



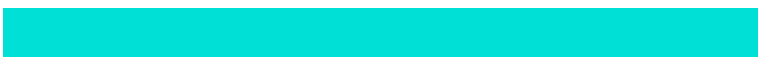
13, 21.977, 272.070



12, 1.618, 195.167



37, 25.562, 189.938



81, 47.295, 189.458

Inverse Universe

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



10, 33.454, 25.720



15, 41.953, 31.184



16, 27.623, 57.001



12, 1.690, 16.013



18, 47.393, 33.426



47, 93.100, 38.546

Previews

White Background



This preview shows how the CIE LCh color 24, 19.442, 190.312 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 24, 19.442, 190.312 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

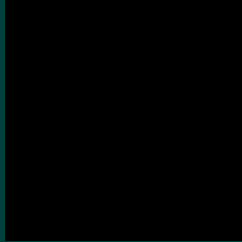
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 19.442, 190.312

Background



This preview shows how black text looks on a background with the CIELCh color 24, 19.442, 190.312.



This preview shows how white text looks on a background with the CIELCh color 24, 19.442, 190.312.

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

24, 19.442, 190.312

Protanopia

24, 0.917, 19.326

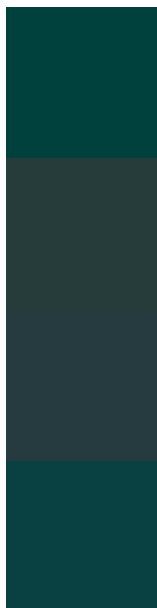
Deuteranopia

24, 5.616, 309.551



Tritanopia
24, 16.114, 208.923

Trichromacy



Original Color
24, 19.442, 190.312

Protanomaly
24, 9.148, 193.619

Deuteranomaly
23, 8.745, 215.918

Tritanomaly
24, 17.053, 201.187

Monochromacy



Original Color
24, 19.442, 190.312

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 9.571, 193.470

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 19.442, 190.312 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(0, 65, 62)` looks like.

```
.text, #text, p{  
    color:rgb(0, 65, 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(0, 65, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 65, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 19.442, 190.312 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(0, 65, 62) }
```

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

```
.border{ border-color:rgb(0, 65, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 65, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 65, 62); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 65, 62); box-shadow:4px  
4px 4px 4px rgb(0, 65, 62) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 19.442, 190.312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 65, 62) }
```

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

```
.background{ background-color: rgb(0, 65,  
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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