

Converting Colors

CIELCh(24, 16.919, 194.361)

Have a look what the booklet for
CIELCh(24, 16.919, 194.361)
contains.

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Color

CIELCh(24, 16.919, 194.361)

Conversions

Conversions Part 1

Format	Color
Hex	0D403F
RGB	13, 64, 63
RGB Percent	5%, 25%, 25%
CMY	0.9495, 0.7493, 0.7533
CMYK	0.80, 0.00, 0.02, 0.75
HSL	179°, 66%, 15%
HSV	179°, 80%, 25%
XYZ	2.8880, 4.1002, 5.3300
YIQ	48.6370, -30.0750, -11.1230

Conversions

Conversions Part 2

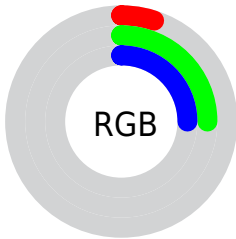
Format	Color
R_{YB}	13, 39, 64
Decimal	868415
CIE Lab	24.00, -16.39, -4.20
CIE LCh	24, 16.919, 194.361
Yxy	4.1002, 0.2345, 0.3329
Android (android.graphics.Color)	4279058495 (0xFF0D403F)
YUV	48.6370, 7.0810, -31.2536
Hunter-Lab	20.2490, -9.9772, -1.4322

Details

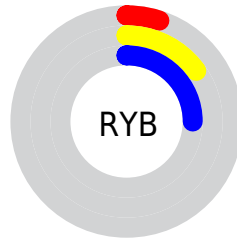
The CIELCh color **24, 16.919, 194.361** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 27.697, 27.187**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 16.865, 195.449**, and **6, 7.973, 189.160** is the 20% darker color. If you saturate the color by 10%, you get **24, 17.878, 194.058**, and if you desaturate by 10%, it is **24, 15.699, 194.686**.

Distribution



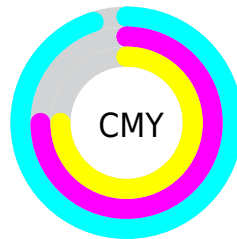
- Red (5%)
- Green (25%)
- Blue (25%)



- Red (5%)
- Yellow (15%)
- Blue (25%)



- Cyan (80%)
- Magenta (0%)
- Yellow (2%)
- Black (75%)





- Cyan (95%)
- Magenta (75%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 16.919, 194.361 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, 16.919, 194.361 by changing the saturation by 10% instead.

 24, 16.919,
194.361


 24, 16.919,
194.361

 100, 16.919,
194.361


 14, 16.919,
194.361


 44, 16.919,
194.361


 4, 16.919, 194.361

 54, 16.919,
194.361

 0, 16.919, 194.361

 64, 16.919,
194.361

 74, 16.919,
194.361

 84, 16.919,
194.361

 94, 16.919,

194.361

■ 24, 16.919,
194.361

■ 24, 16.919,
194.361

■ 24, 17.878,
194.058

■ 24, 15.699,
194.686

■ 24, 18.829,
193.773

■ 24, 14.172,
195.044

■ 24, 18.845,
193.769

■ 25, 12.354,
195.433

■ 25, 10.270,
195.856

■ 25, 7.953, 196.312

■ 26, 5.437, 196.804

■ 26, 2.759, 197.349

■ 27, 0.048, 12.652

■ 28, 2.952, 18.241

Harmonies

Complementary

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



24, 16.919, 194.361



12, 27.697, 27.187

Rectangle

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



24, 16.919, 194.361



24, 16.919, 244.361



24, 16.919, 14.361



24, 16.919, 64.361

Sweetspot

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



24, 16.919, 194.360



34, 8.155, 196.541



23, 37.566, 137.658



17, 5.626, 196.462



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, 16.919, 194.360



32, 22.326, 193.765



15, 18.123, 267.649



12, 1.613, 197.428



37, 25.014, 193.600



81, 46.190, 193.388

Inverse Universe

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



12, 27.697, 27.187



15, 41.064, 32.079



18, 22.833, 62.921



12, 1.688, 18.180



18, 47.907, 34.492



47, 94.127, 39.369

Previews

White Background



This preview shows how the CIE LCh color 24, 16.919, 194.361 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, 16.919, 194.361 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

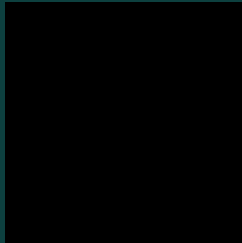
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 16.919, 194.361

Background



This preview shows how black text looks on a background with the CIELCh color 24, 16.919, 194.361.



This preview shows how white text looks on a background with the CIELCh color 24, 16.919, 194.361.

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

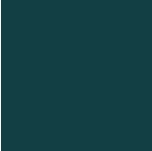
24, 16.919, 194.361

Protanopia

24, 1.409, 309.160

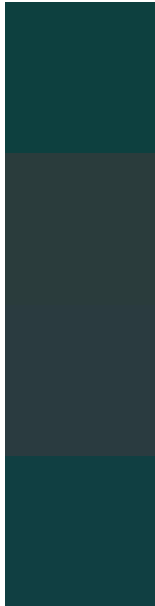
Deuteranopia

24, 6.136, 303.737



Tritanopia
24, 15.379, 209.623

Trichromacy



Original Color
24, 16.919, 194.361

Protanomaly
24, 7.559, 198.111

Deuteranomaly
24, 7.578, 224.532

Tritanomaly
24, 15.647, 204.298

Monochromacy



Original Color
24, 16.919, 194.361

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 7.623, 198.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 16.919, 194.361 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(13, 64, 63)` looks like.

```
.text, #text, p{  
    color:rgb(13, 64, 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(13, 64, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 64, 63) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 16.919, 194.361 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(13, 64, 63) }
```

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

```
.border{ border-color:rgb(13, 64, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 64, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 64, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 64, 63);  
box-shadow:4px 4px 4px 4px rgb(13, 64, 63)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 16.919, 194.361 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 64, 63) }
```

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

```
.background{ background-color: rgb(13, 64,  
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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