

Converting Colors

CIELCh(24, 17.803, 186.010)

Have a look what the booklet for
CIELCh(24, 17.803, 186.010)
contains.

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Color

CIELCh(24, 17.833, 185.626)

Conversions

Conversions Part 1

Format	Color
Hex	0D403B
RGB	13, 64, 59
RGB Percent	5%, 25%, 23%
CMY	0.9477, 0.7481, 0.7677
CMYK	0.79, 0.00, 0.08, 0.75
HSL	174°, 66%, 15%
HSV	174°, 79%, 25%
XYZ	2.8133, 4.1002, 4.8126
YIQ	48.1810, -28.7910, -12.3670

Conversions

Conversions Part 2

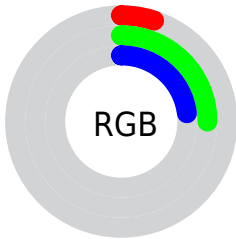
Format	Color
R_{YB}	13, 40, 64
Decimal	868411
CIE Lab	24.00, -17.75, -1.75
CIE LCh	24, 17.833, 185.626
Yxy	4.1002, 0.2399, 0.3497
Android (android.graphics.Color)	4279058491 (0xFF0D403B)
YUV	48.1810, 5.3338, -30.8537
Hunter-Lab	20.2490, -10.6356, 0.0827

Details

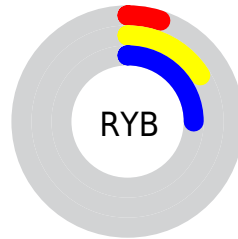
The CIELCh color **24, 17.833, 185.626** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 26.990, 22.887**, and the grayscale version is **20, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 17.683, 185.563**, and **6, 9.079, 169.716** is the 20% darker color. If you saturate the color by 10%, you get **24, 18.979, 184.792**, and if you desaturate by 10%, it is **24, 16.420, 186.424**.

Distribution



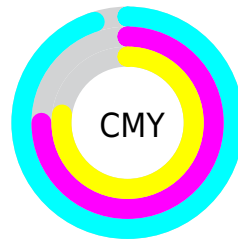
- Red (5%)
- Green (25%)
- Blue (23%)



- Red (5%)
- Yellow (16%)
- Blue (25%)



- Cyan (79%)
- Magenta (0%)
- Yellow (8%)
- Black (75%)




- Cyan (95%)
- Magenta (75%)
- Yellow (77%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 17.833, 185.626 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, 17.833, 185.626 by changing the saturation by 10% instead.

 24, 17.833,
185.626

 24, 17.833,
185.626

 100, 17.833,
185.626


 14, 17.833,
185.626


 44, 17.833,
185.626

 4, 17.833, 185.626

 54, 17.833,
185.626

 0, 17.833, 185.626

 64, 17.833,
185.626

 74, 17.833,
185.626

 84, 17.833,
185.626

 94, 17.833,

185.626

■ 24, 17.833,
185.626

■ 24, 17.833,
185.626

■ 24, 18.979,
184.792

■ 24, 16.420,
186.424

■ 24, 20.117,
184.030

■ 24, 14.708,
187.185

■ 24, 20.205,
183.976

■ 25, 12.719,
187.918

■ 25, 10.483,
188.631

■ 26, 8.034, 189.332

■ 26, 5.410, 190.031

■ 27, 2.647, 190.753

■ 27, 0.220, 10.240

■ 28, 3.161, 11.918

Harmonies

Complementary

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



24, 17.833, 185.626



12, 26.990, 22.887

Rectangle

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



24, 17.833, 185.626



24, 17.833, 235.626



24, 17.833, 5.626



24, 17.833, 55.626

Sweetspot

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



24, 17.833, 185.625



34, 8.337, 189.624



23, 36.979, 136.640



17, 5.756, 189.511



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, 17.833, 185.625



32, 23.763, 183.903



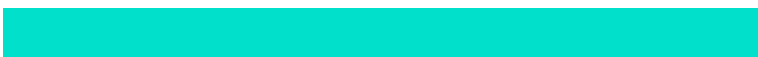
17, 16.462, 258.789



12, 1.636, 190.806



36, 26.870, 183.246



81, 49.955, 182.323

Inverse Universe

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



12, 26.990, 22.887



16, 39.653, 28.772



17, 22.930, 56.721



12, 1.701, 11.803



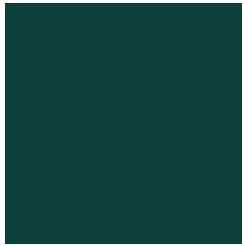
18, 46.437, 31.275



47, 90.724, 36.486

Previews

White Background



This preview shows how the CIE LCh color 24, 17.833, 185.626 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 24, 17.833, 185.626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

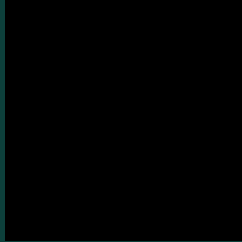
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 17.833, 185.626

Background



This preview shows how black text looks on a background with the CIELCh color 24, 17.833, 185.626.



This preview shows how white text looks on a background with the CIELCh color 24, 17.833, 185.626.

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

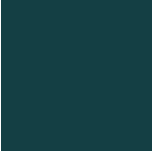
24, 17.833, 185.626

Protanopia

24, 1.606, 74.616

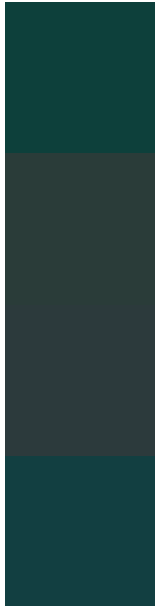
Deuteranopia

24, 4.836, 324.885



Tritanopia
24, 14.803, 210.204

Trichromacy



Original Color
24, 17.833, 185.626

Protanomaly
24, 8.021, 183.551

Deuteranomaly
23, 6.042, 211.232

Tritanomaly
24, 15.352, 201.934

Monochromacy



Original Color
24, 17.833, 185.626

Achromatopsia
20, 0.004, 296.813

Achromatomaly
21, 8.274, 188.393

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 17.833, 185.626 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, 59)` looks like.

```
.text, #text, p{  
    color:rgb(13, 64, 59)  
}
```

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, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 64, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 17.833, 185.626 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, 59) }
```

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

```
.border{ border-color:rgb(13, 64, 59) }
```

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, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 64, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 64, 59);  
box-shadow:4px 4px 4px 4px rgb(13, 64, 59)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 17.833, 185.626 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, 59) }
```

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

```
.background{ background-color: rgb(13, 64,  
59) }
```

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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