

Converting Colors

CIELCh(25, 9.635, 192.024)

Have a look what the booklet for
CIELCh(25, 9.635, 192.024) contains.

CIELCh(25, 9.974, 190.098)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(25, 9.974, 190.098)

Conversions

Conversions Part 1

Format	Color
Hex	28403E
RGB	40, 64, 62
RGB Percent	16%, 25%, 24%
CMY	0.8445, 0.7504, 0.7582
CMYK	0.38, 0.00, 0.03, 0.75
HSL	175°, 23%, 20%
HSV	175°, 38%, 25%
XYZ	3.5354, 4.4155, 5.1734
YIQ	56.5960, -13.6620, -5.7100

Conversions

Conversions Part 2

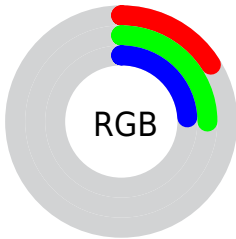
Format	Color
R_YB	40, 53, 64
Decimal	2637886
CIE Lab	25.00, -9.82, -1.75
CIE LCh	25, 9.974, 190.098
Yxy	4.4155, 0.2694, 0.3364
Android (android.graphics.Color)	4280827966 (0xFF28403E)
YUV	56.5960, 2.6642, -14.5547
Hunter-Lab	21.0130, -6.7409, 0.1119

Details

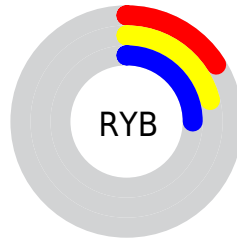
The CIELCh color **25, 9.974, 190.098** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **19, 12.071, 15.948**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 10.275, 188.169**, and **6, 7.473, 188.893** is the 20% darker color. If you saturate the color by 10%, you get **25, 12.203, 189.432**, and if you desaturate by 10%, it is **25, 7.537, 190.755**.

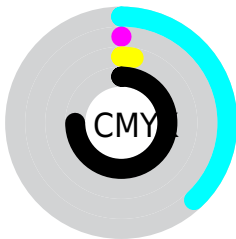
Distribution



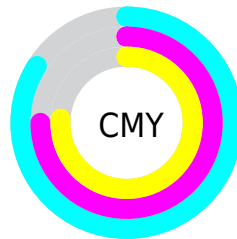
- Red (16%)
- Green (25%)
- Blue (24%)



- Red (16%)
- Yellow (21%)
- Blue (25%)



- Cyan (38%)
- Magenta (0%)
- Yellow (3%)
- Black (75%)



- Cyan (84%)
- Magenta (75%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 9.974, 190.098 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 25, 9.974, 190.098 by changing the saturation by 10% instead.

■ 25, 9.974, 190.098

■ 25, 9.974, 190.098

■ 100, 9.974,
190.098

■ 15, 9.974, 190.098

■ 45, 9.974, 190.098

■ 5, 9.974, 190.098

■ 55, 9.974, 190.098

■ 0, 9.974, 190.098

■ 65, 9.974, 190.098

■ 75, 9.974, 190.098

■ 85, 9.974, 190.098

■ 95, 9.974, 190.098

■ 25, 9.974, 190.098

■ 25, 9.974, 190.098

■ 25, 12.203,
189.432

■ 25, 7.537, 190.755

■ 24, 14.188,
188.759

■ 26, 4.928, 191.420

■ 26, 2.183, 192.128

■ 24, 15.900,
188.070

■ 27, 0.665, 12.302

■ 24, 17.316,
187.356

■ 28, 3.587, 13.238

■ 28, 6.556, 13.906

■ 24, 18.446,
186.613

■ 29, 9.551, 14.552

■ 23, 19.539,
185.920

■ 30, 12.555, 15.186

■ 31, 15.554, 15.810

■ 23, 19.797,
185.771

Harmonies

Complementary

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



25, 9.974, 190.098



19, 12.071, 15.948

Rectangle

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



25, 9.974, 190.098



25, 9.974, 240.098



25, 9.974, 10.098



25, 9.974, 60.098

Sweetspot

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



25, 9.974, 190.095



34, 3.813, 191.849



25, 18.737, 140.102



16, 2.517, 191.825



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



25, 9.974, 190.095



32, 14.202, 189.487



22, 8.586, 250.750



11, 1.522, 192.076



35, 25.966, 185.154



80, 48.698, 184.321

Inverse Universe

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



19, 12.071, 15.948



23, 18.117, 17.250



22, 9.890, 62.424



10, 1.583, 13.000



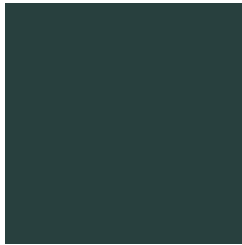
18, 45.662, 31.520



46, 90.675, 37.148

Previews

White Background



This preview shows how the CIELCh color 25, 9.974, 190.098 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 25, 9.974, 190.098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

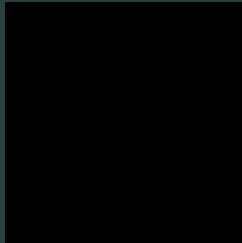
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 9.974, 190.098

Background



This preview shows how black text looks on a background with the CIELCh color 25, 9.974, 190.098.



This preview shows how white text looks on a background with the CIELCh color 25, 9.974, 190.098.

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

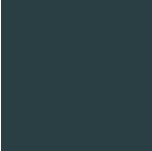
25, 9.974, 190.098

Protanopia

25, 0.455, 18.974

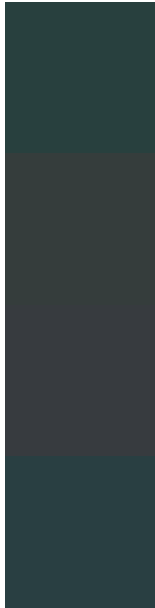
Deuteranopia

25, 4.810, 324.872



Tritanopia
25, 9.180, 219.274

Trichromacy



Original Color
25, 9.974, 190.098

Protanomaly
25, 3.603, 188.271

Deuteranomaly
25, 3.133, 256.930

Tritanomaly
25, 8.971, 210.838

Monochromacy



Original Color
25, 9.974, 190.098

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 4.042, 189.266

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 9.974, 190.098 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(40, 64, 62)` looks like.

```
.text, #text, p{  
    color:rgb(40, 64, 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(40, 64, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 64, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 9.974, 190.098 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(40, 64, 62) }
```

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

```
.border{ border-color:rgb(40, 64, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 64, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 64, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 64, 62);  
box-shadow:4px 4px 4px 4px rgb(40, 64, 62)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 9.974, 190.098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 64, 62) }
```

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

```
.background{ background-color: rgb(40, 64,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor