

Converting Colors

CIELCh(24, 9.751, 195.314)

Have a look what the booklet for
CIELCh(24, 9.751, 195.314) contains.

CIELCh(24, 9.735, 197.750)	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(24, 9.735, 197.750)

Conversions

Conversions Part 1

Format	Color
Hex	253D3D
RGB	37, 61, 61
RGB Percent	15%, 24%, 24%
CMY	0.8540, 0.7598, 0.7598
CMYK	0.39, 0.00, 0.00, 0.76
HSL	180°, 24%, 19%
HSV	180°, 39%, 24%
XYZ	3.3016, 4.1002, 5.0660
YIQ	53.8240, -14.3040, -5.0880

Conversions

Conversions Part 2

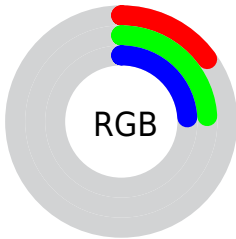
Format	Color
R_{YB}	37, 49, 61
Decimal	2440509
CIE Lab	24.00, -9.27, -2.97
CIE LCh	24, 9.735, 197.750
Yxy	4.1002, 0.2648, 0.3289
Android (android.graphics.Color)	4280630589 (0xFF253D3D)
YUV	53.8240, 3.5378, -14.7546
Hunter-Lab	20.2490, -6.3310, -0.6591

Details

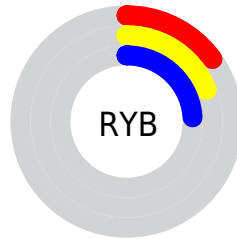
The CIELCh color **24, 9.735, 197.750** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 12.325, 22.419**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 9.636, 198.305**, and **5, 5.948, 199.422** is the 20% darker color. If you saturate the color by 10%, you get **24, 11.745, 197.408**, and if you desaturate by 10%, it is **24, 7.501, 198.131**.

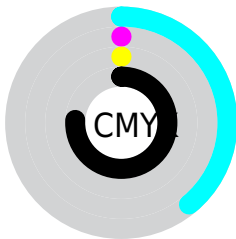
Distribution



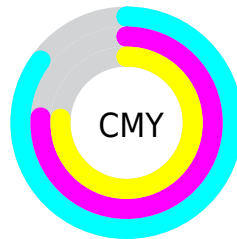
- Red (15%)
- Green (24%)
- Blue (24%)



- Red (15%)
- Yellow (19%)
- Blue (24%)



- Cyan (39%)
- Magenta (0%)
- Yellow (0%)
- Black (76%)



- Cyan (85%)
- Magenta (76%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 24, 9.735, 197.750 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, 9.735, 197.750 by changing the saturation by 10% instead.

■ 24, 9.735, 197.750

■ 24, 9.735, 197.750

■ 100, 9.735,
197.750

■ 14, 9.735, 197.750

■ 44, 9.735, 197.750

■ 4, 9.735, 197.750

■ 54, 9.735, 197.750

■ 0, 9.735, 197.750

■ 64, 9.735, 197.750

■ 74, 9.735, 197.750

■ 84, 9.735, 197.750

■ 94, 9.735, 197.750

■ 24, 9.735, 197.750

■ 24, 9.735, 197.750

■ 24, 11.745,
197.408

■ 24, 7.501, 198.131

■ 23, 13.500,
197.118

■ 25, 5.074, 198.561

■ 23, 14.976,
196.876

■ 25, 2.489, 199.058

■ 23, 16.157,
196.685

■ 26, 0.222, 18.359

■ 27, 3.029, 19.858

■ 23, 17.089,
196.535

■ 27, 5.907, 20.413

■ 28, 8.832, 20.957

■ 23, 18.015,
196.387

■ 29, 11.786, 21.502

■ 29, 14.753, 22.050

■ 23, 18.090,
196.375

Harmonies

Complementary

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



24, 9.735, 197.750



18, 12.325, 22.419

Rectangle

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



24, 9.735, 197.750



24, 9.735, 247.750



24, 9.735, 17.750



24, 9.735, 67.750

Sweetspot

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



24, 9.735, 197.747



33, 3.988, 198.880



23, 19.258, 141.603



16, 2.668, 198.866



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 9.735, 197.747



31, 13.889, 197.413



20, 9.154, 259.075



11, 1.504, 199.102



36, 24.216, 196.375



80, 45.113, 196.374

Inverse Universe

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



18, 12.325, 22.419



22, 18.824, 23.726



21, 10.173, 69.454



10, 1.574, 19.754



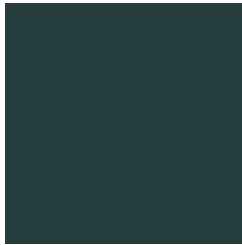
17, 47.178, 34.870



46, 94.129, 39.997

Previews

White Background



This preview shows how the CIELCh color 24, 9.735, 197.750 looks on a white background.

Color Contrast Check

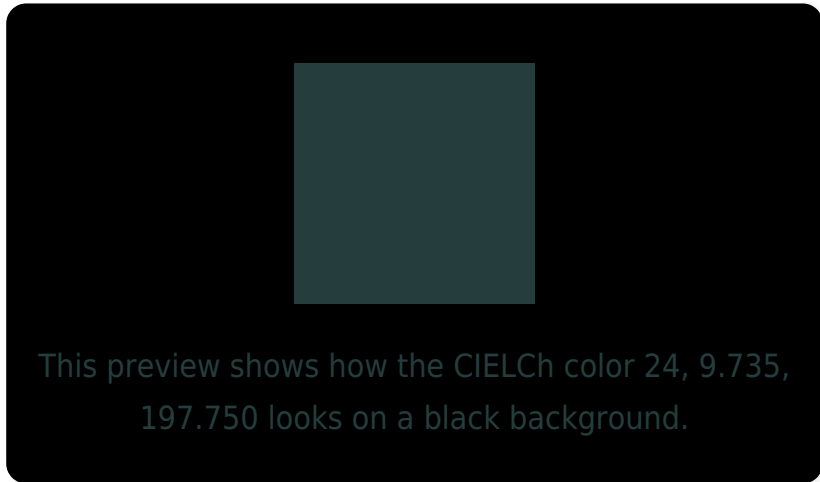
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

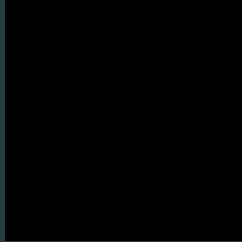
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

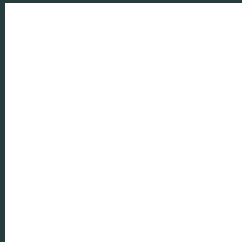
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 9.735, 197.750

Background



This preview shows how black text looks on a background with the CIELCh color 24, 9.735, 197.750.



This preview shows how white text looks on a background with the CIELCh color 24, 9.735, 197.750.

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

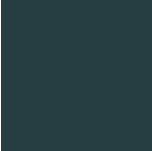
24, 9.735, 197.750

Protanopia

24, 0.666, 290.361

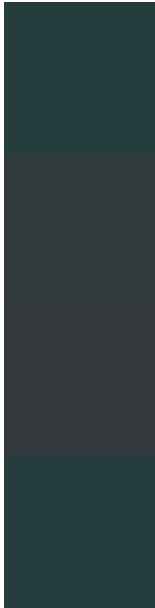
Deuteranopia

24, 5.185, 316.580



Tritanopia
24, 9.393, 214.484

Trichromacy



Original Color
24, 9.735, 197.750

Protanomaly
24, 3.947, 198.758

Deuteranomaly
24, 3.921, 257.356

Tritanomaly
24, 9.322, 210.335

Monochromacy



Original Color
24, 9.735, 197.750

Achromatopsia
23, 0.004, 296.813

Achromatomaly
23, 3.965, 198.737

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 9.735, 197.750 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(37, 61, 61)` looks like.

```
.text, #text, p{  
    color:rgb(37, 61, 61)  
}
```

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(37, 61, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 61, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 9.735, 197.750 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(37, 61, 61) }
```

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

```
.border{ border-color:rgb(37, 61, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 61, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 61, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 61, 61);  
box-shadow:4px 4px 4px 4px rgb(37, 61, 61)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 9.735, 197.750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 61, 61) }
```

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

```
.background{ background-color: rgb(37, 61,  
61) }
```

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