

Converting Colors

CIELCh(21, 40.583, 199.814)

Have a look what the booklet for
CIELCh(21, 40.583, 199.814)
contains.

CIELCh(24, 17.742, 212.130)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(24, 17.742, 212.130)

Conversions

Conversions Part 1

Format	Color
Hex	014047
RGB	1, 64, 71
RGB Percent	0%, 25%, 28%
CMY	0.9957, 0.7499, 0.7224
CMYK	0.98, 0.10, 0.00, 0.72
HSL	186°, 97%, 14%
HSV	186°, 98%, 28%
XYZ	2.9645, 4.1002, 6.5591
YIQ	45.9610, -39.7950, -11.1790

Conversions

Conversions Part 2

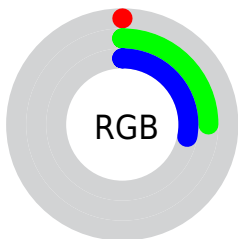
Format	Color
R_{YB}	1, 34, 71
Decimal	81991
CIE _{Lab}	24.00, -15.02, -9.44
CIE _{LCh}	24, 17.742, 212.130
Yxy	4.1002, 0.2176, 0.3010
Android (android.graphics.Color)	4278272071 (0xFF014047)
YUV	45.9610, 12.3442, -39.4308
Hunter-Lab	20.2490, -9.3028, -5.0310

Details

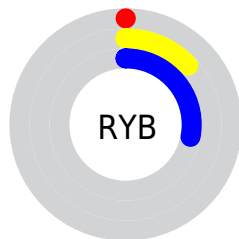
The CIELCh color **24, 17.742, 212.130** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 34.418, 33.987**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 17.910, 211.213**, and **6, 8.579, 225.750** is the 20% darker color. If you saturate the color by 10%, you get **24, 17.863, 212.261**, and if you desaturate by 10%, it is **24, 16.987, 211.222**.

Distribution



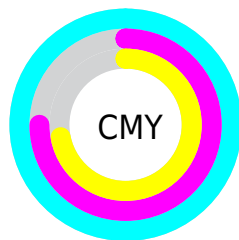
- Red (0%)
- Green (25%)
- Blue (28%)



- Red (0%)
- Yellow (13%)
- Blue (28%)



- Cyan (98%)
- Magenta (10%)
- Yellow (0%)
- Black (72%)





- Cyan (100%)
- Magenta (75%)
- Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 17.742, 212.130 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, 17.742, 212.130 by changing the saturation by 10% instead.

 24, 17.742,
212.130


 24, 17.742,
212.130

 100, 17.742,
212.130


 14, 17.742,
212.130


 44, 17.742,
212.130


 4, 17.742, 212.130

 54, 17.742,
212.130

 0, 17.742, 212.130

 64, 17.742,
212.130

 74, 17.742,
212.130

 84, 17.742,
212.130

 94, 17.742,

212.130

■ 24, 17.742,
212.130

■ 24, 17.742,
212.130

■ 24, 17.863,
212.261

■ 24, 16.987,
211.222

■ 25, 16.170,
210.297

■ 25, 15.033,
209.586

■ 26, 13.572,
209.072

■ 26, 11.806,
208.727

■ 27, 9.765, 208.528

■ 28, 7.483, 208.452

■ 29, 4.998, 208.485

■ 29, 2.345, 208.641

Harmonies

Complementary

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



24, 17.742, 212.130



13, 34.418, 33.987

Rectangle

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



24, 17.742, 212.130



24, 17.742, 262.130



24, 17.742, 32.130



24, 17.742, 82.130

Sweetspot

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



24, 17.742, 212.129



36, 9.707, 208.462



25, 44.539, 138.431



17, 6.484, 208.473



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



24, 17.742, 212.129



32, 21.262, 212.964



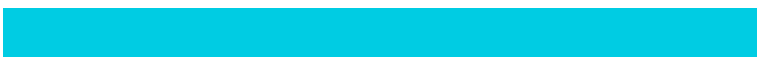
12, 30.424, 287.245



14, 1.559, 208.637



34, 22.465, 213.157



75, 40.812, 214.575

Inverse Universe

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



14, 42.331, 332.124



20, 50.897, 332.360



20, 30.097, 72.139



13, 2.914, 327.700



22, 53.779, 332.407



53, 97.694, 332.755

Previews

White Background



This preview shows how the CIELCh color 24, 17.742, 212.130 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, 17.742, 212.130 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

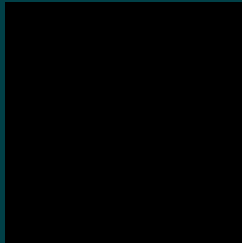
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

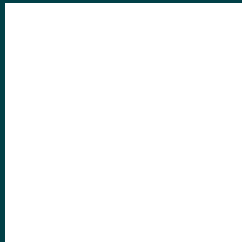
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 17.742, 212.130

Background



This preview shows how black text looks on a background with the CIELCh color 24, 17.742, 212.130.



This preview shows how white text looks on a background with the CIELCh color 24, 17.742, 212.130.

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, 17.798, 212.053

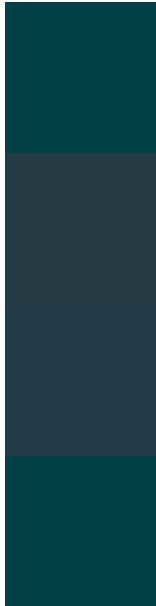
Protanopia
24, 5.972, 287.333

Deuteranopia
24, 10.620, 290.212



Tritanopia
24, 18.002, 207.377

Trichromacy



Original Color
24, 17.798, 212.053

Protanomaly
23, 10.401, 233.637

Deuteranomaly
24, 12.037, 244.676

Tritanomaly
24, 17.952, 209.645

Monochromacy



Original Color
24, 17.798, 212.053

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 9.026, 211.003

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 17.742, 212.130 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(1, 64, 71)` looks like.

```
.text, #text, p{  
    color:rgb(1, 64, 71)  
}
```

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(1, 64, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 64, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 17.742, 212.130 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(1, 64, 71) }
```

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

```
.border{ border-color:rgb(1, 64, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 64, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 64, 71); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 64, 71); box-shadow:4px  
4px 4px 4px rgb(1, 64, 71) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 17.742, 212.130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 64, 71) }
```

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

```
.background{ background-color: rgb(1, 64,  
71) }
```

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