

Converting Colors

CIELCh(24, 18.857, 214.304)

Have a look what the booklet for
CIELCh(24, 18.857, 214.304)
contains.

CIELCh(24, 17.953, 216.483)	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, 17.953, 216.483)

Conversions

Conversions Part 1

Format	Color
Hex	004049
RGB	0, 64, 73
RGB Percent	0%, 25%, 29%
CMY	1.0000, 0.7504, 0.7151
CMYK	1.00, 0.12, 0.00, 0.72
HSL	187°, 100%, 14%
HSV	187°, 100%, 28%
XYZ	2.9980, 4.1002, 6.8749
YIQ	45.8900, -41.0330, -10.7690

Conversions

Conversions Part 2

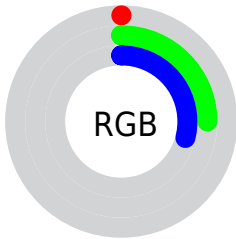
Format	Color
RYB	0, 34, 73
Decimal	16457
CIELab	24.00, -14.43, -10.67
CIELCh	24, 17.953, 216.483
Yxy	4.1002, 0.2146, 0.2934
Android (android.graphics.Color)	4278206537 (0xFF004049)
YUV	45.8900, 13.3652, -40.2455
Hunter-Lab	20.2490, -9.0079, -5.9557

Details

The CIELCh color **24, 17.953, 216.483** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 35.371, 35.423**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 18.096, 217.135**, and **6, 8.893, 230.329** is the 20% darker color. If you saturate the color by 10%, you get **24, 17.889, 216.563**, and if you desaturate by 10%, it is **24, 17.137, 215.356**.

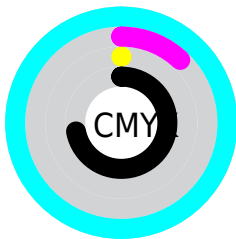
Distribution



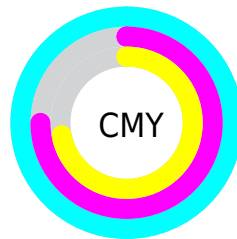
- Red (0%)
- Green (25%)
- Blue (29%)



- Red (0%)
- Yellow (13%)
- Blue (29%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (72%)



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

Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 17.953, 216.483 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, 17.953, 216.483 by changing the saturation by 10% instead.

 24, 17.953,
216.483

 24, 17.953,
216.483

 100, 17.953,
216.483

 14, 17.953,
216.483


 44, 17.953,
216.483


 4, 17.953, 216.483

 54, 17.953,
216.483

 0, 17.953, 216.483

 64, 17.953,
216.483

 74, 17.953,
216.483

 84, 17.953,
216.483

 94, 17.953,

216.483

■ 24, 17.953,
216.483

■ 24, 17.953,
216.483

■ 24, 17.889,
216.563

■ 24, 17.137,
215.356

■ 25, 16.356,
214.090

■ 26, 15.269,
213.077

■ 26, 13.855,
212.311

■ 27, 12.131,
211.756

■ 27, 10.126,
211.379

■ 28, 7.874, 211.152

■ 29, 5.412, 211.053

■ 30, 2.776, 211.084

Harmonies

Complementary

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



24, 17.953, 216.483



13, 35.371, 35.423

Rectangle

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



24, 17.953, 216.483



24, 17.953, 266.483



24, 17.953, 36.483



24, 17.953, 86.483

Sweetspot

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



24, 17.889, 216.563



37, 9.741, 211.171



26, 45.462, 138.617



18, 6.652, 211.212



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



24, 17.889, 216.563



32, 21.336, 217.454



11, 32.565, 289.098



14, 1.530, 211.104



33, 22.125, 217.614



74, 40.231, 219.431

Inverse Universe

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



14, 42.783, 333.243



20, 50.987, 333.462



21, 31.367, 73.476



13, 2.867, 328.423



21, 52.866, 333.502



52, 95.915, 333.952

Previews

White Background



This preview shows how the CIE LCh color 24, 17.953, 216.483 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, 17.953, 216.483 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

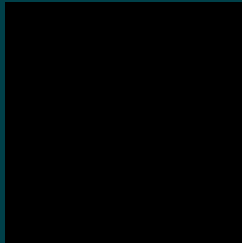
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

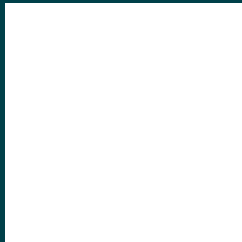
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 24, 17.953, 216.483

Background



This preview shows how black text looks on a background with the CIELCh color 24, 17.953, 216.483.



This preview shows how white text looks on a background with the CIELCh color 24, 17.953, 216.483.

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, 17.953, 216.483

Protanopia

24, 7.320, 285.117

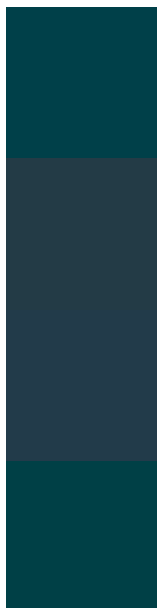
Deuteranopia

24, 11.289, 286.396



Tritanopia
24, 18.002, 207.377

Trichromacy



Original Color
24, 17.953, 216.483

Protanomaly
23, 11.292, 238.994

Deuteranomaly
24, 13.065, 248.655

Tritanomaly
24, 17.952, 209.645

Monochromacy



Original Color
24, 17.953, 216.483

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 9.419, 214.752

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 17.953, 216.483 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(0, 64, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 64, 73)  
}
```

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(0, 64, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 64, 73) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 17.953, 216.483 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(0, 64, 73) }
```

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

```
.border{ border-color:rgb(0, 64, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 64, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 64, 73); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 64, 73); box-shadow:4px  
4px 4px 4px rgb(0, 64, 73) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 17.953, 216.483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 64, 73) }
```

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

```
.background{ background-color: rgb(0, 64,  
73) }
```

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