

Converting Colors

CIELCh(22, 37.072, 181.981)

Have a look what the booklet for
CIELCh(22, 37.072, 181.981)
contains.

CIELCh(24, 21.908, 176.252)	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, 21.908, 176.252)

Conversions

Conversions Part 1

Format	Color
Hex	014136
RGB	1, 65, 54
RGB Percent	0%, 25%, 21%
CMY	0.9980, 0.7435, 0.7867
CMYK	0.99, 0.00, 0.17, 0.74
HSL	170°, 98%, 13%
HSV	170°, 99%, 26%
XYZ	2.5947, 4.1002, 4.1921
YIQ	44.6100, -34.6130, -16.9890

Conversions

Conversions Part 2

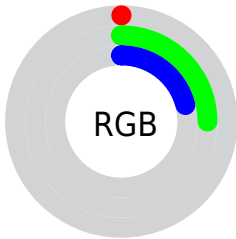
Format	Color
R_{YB}	1, 36, 65
Decimal	82230
CIE Lab	24.00, -21.86, 1.43
CIE LCh	24, 21.908, 176.252
Yxy	4.1002, 0.2383, 0.3766
Android (android.graphics.Color)	4278272310 (0xFF014136)
YUV	44.6100, 4.6293, -38.2460
Hunter-Lab	20.2490, -12.5624, 1.8997

Details

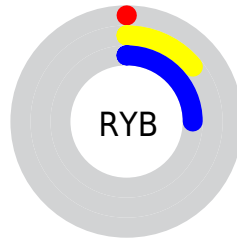
The CIELCh color **24, 21.908, 176.252** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **10, 32.598, 20.813**, and the grayscale version is **18, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 21.429, 177.240**, and **5, 9.945, 157.640** is the 20% darker color. If you saturate the color by 10%, you get **24, 22.016, 176.174**, and if you desaturate by 10%, it is **24, 20.552, 177.313**.

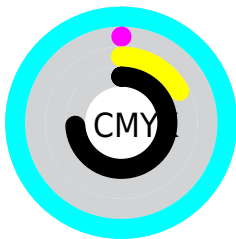
Distribution



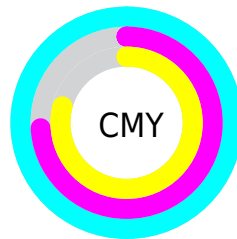
- Red (0%)
- Green (25%)
- Blue (21%)



- Red (0%)
- Yellow (14%)
- Blue (25%)



- Cyan (99%)
- Magenta (0%)
- Yellow (17%)
- Black (74%)





- Cyan (100%)
- Magenta (74%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 21.908, 176.252 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, 21.908, 176.252 by changing the saturation by 10% instead.

 24, 21.908,
176.252


 24, 21.908,
176.252

 100, 21.908,
176.252


 14, 21.908,
176.252


 44, 21.908,
176.252


 4, 21.908, 176.252

 54, 21.908,
176.252

 0, 21.908, 176.252

 64, 21.908,
176.252

 74, 21.908,
176.252

 84, 21.908,
176.252

 94, 21.908,

176.252

■ 24, 21.908,
176.252

■ 24, 21.908,
176.252

■ 24, 22.016,
176.174

■ 24, 20.552,
177.313

■ 24, 19.192,
178.489

■ 25, 17.565,
179.594

■ 25, 15.644,
180.616

■ 25, 13.457,
181.568

■ 26, 11.035,
182.466

■ 26, 8.416, 183.320

■ 27, 5.640, 184.144

■ 27, 2.744, 184.968

Harmonies

Complementary

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



24, 21.908, 176.252



10, 32.598, 20.813

Rectangle

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



24, 21.908, 176.252



24, 21.908, 226.252



24, 21.908, 356.252



24, 21.908, 46.252

Sweetspot

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



24, 21.908, 176.251



34, 10.611, 183.151



23, 43.021, 134.180



16, 7.274, 182.998



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, 21.908, 176.251



31, 26.282, 175.477



17, 17.816, 252.199



12, 1.676, 185.027



36, 29.086, 175.141



80, 54.480, 173.783

Inverse Universe

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



10, 32.598, 20.813



15, 40.218, 25.686



14, 28.940, 45.490



12, 1.731, 6.167



18, 45.035, 27.614



47, 86.679, 32.336

Previews

White Background



This preview shows how the CIELCh color 24, 21.908, 176.252 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, 21.908, 176.252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

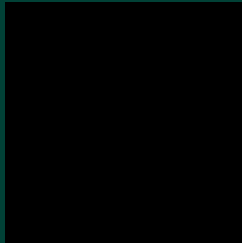
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 21.908, 176.252

Background



This preview shows how black text looks on a background with the CIELCh color 24, 21.908, 176.252.



This preview shows how white text looks on a background with the CIELCh color 24, 21.908, 176.252.

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, 21.758, 176.138

Protanopia

24, 4.832, 91.911

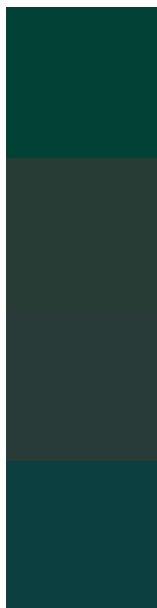
Deuteranopia

24, 3.310, 8.499



Tritanopia
24, 15.012, 212.674

Trichromacy



Original Color
24, 21.758, 176.138

Protanomaly
23, 11.033, 168.558

Deuteranomaly
23, 8.413, 184.100

Tritanomaly
24, 16.905, 196.651

Monochromacy



Original Color
24, 21.758, 176.138

Achromatopsia
18, 0.003, 296.813

Achromatomaly
20, 10.208, 181.852

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 21.908, 176.252 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, 65, 54)` looks like.

```
.text, #text, p{  
    color:rgb(1, 65, 54)  
}
```

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, 65, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 65, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 21.908, 176.252 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, 65, 54) }
```

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

```
.border{ border-color:rgb(1, 65, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 65, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 65, 54); -webkit-box-shadow:4px  
4px 4px 4px rgb(1, 65, 54); box-shadow:4px  
4px 4px 4px rgb(1, 65, 54) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 21.908, 176.252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 65, 54) }
```

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

```
.background{ background-color: rgb(1, 65,  
54) }
```

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