

Converting Colors

CIELCh(24, 23.855, 166.183)

Have a look what the booklet for
CIELCh(24, 23.855, 166.183)
contains.

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Color

CIELCh(24, 24.003, 165.837)

Conversions

Conversions Part 1

Format	Color
Hex	054230
RGB	5, 66, 48
RGB Percent	2%, 26%, 19%
CMY	0.9784, 0.7426, 0.8131
CMYK	0.92, 0.00, 0.27, 0.74
HSL	162°, 85%, 14%
HSV	162°, 92%, 26%
XYZ	2.5224, 4.1002, 3.4182
YIQ	45.7090, -30.5780, -18.5300

Conversions

Conversions Part 2

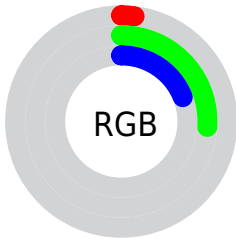
Format	Color
R_YB	5, 41, 66
Decimal	344624
CIE Lab	24.00, -23.27, 5.87
CIE LCh	24, 24.003, 165.837
Yxy	4.1002, 0.2512, 0.4084
Android (android.graphics.Color)	4278534704 (0xFF054230)
YUV	45.7090, 1.1295, -35.7018
Hunter-Lab	20.2490, -13.2001, 4.1655

Details

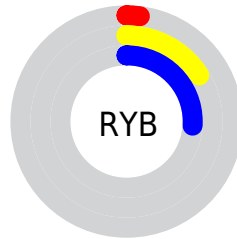
The CIELCh color **24, 24.003, 165.837** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 29.712, 11.656**, and the grayscale version is **19, 0.003, 296.813**.

A 20% lighter version of the original color is **44, 24.410, 165.706**, and **6, 13.900, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 25.521, 164.759**, and if you desaturate by 10%, it is **24, 22.227, 167.321**.

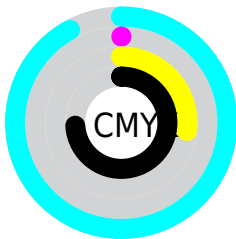
Distribution



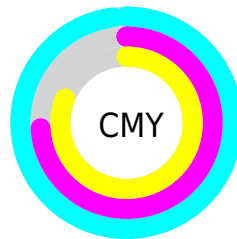
- Red (2%)
- Green (26%)
- Blue (19%)



- Red (2%)
- Yellow (16%)
- Blue (26%)



- Cyan (92%)
- Magenta (0%)
- Yellow (27%)
- Black (74%)




- Cyan (98%)
- Magenta (74%)
- Yellow (81%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 24.003, 165.837 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, 24.003, 165.837 by changing the saturation by 10% instead.

 24, 24.003,
165.837

 24, 24.003,
165.837

 100, 24.003,
165.837


 14, 24.003,
165.837


 44, 24.003,
165.837

 4, 24.003, 165.837

 54, 24.003,
165.837

 0, 24.003, 165.837

 64, 24.003,
165.837

 74, 24.003,
165.837

 84, 24.003,
165.837

 94, 24.003,

165.837

■ 24, 24.003,
165.837

■ 24, 24.003,
165.837

■ 24, 25.521,
164.759

■ 24, 22.227,
167.321

■ 24, 20.243,
168.755

■ 25, 17.981,
170.055

■ 25, 15.469,
171.239

■ 25, 12.744,
172.324

■ 26, 9.846, 173.325

■ 26, 6.816, 174.260

■ 27, 3.695, 175.151

■ 28, 0.516, 176.325

Harmonies

Complementary

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



24, 24.003, 165.837



11, 29.712, 11.656

Rectangle

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



24, 24.003, 165.837



24, 24.003, 215.837



24, 24.003, 345.837



24, 24.003, 35.837

Sweetspot

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



24, 24.003, 165.836



34, 10.387, 173.662



24, 39.712, 132.193



16, 7.049, 173.543



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, 24.003, 165.836



31, 30.578, 163.847



20, 15.722, 229.010



12, 1.786, 175.429



36, 33.943, 163.405



80, 64.351, 161.643

Inverse Universe

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



11, 29.712, 11.656



15, 38.309, 16.146



13, 28.757, 38.234



12, 1.826, 356.661



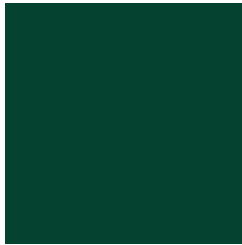
18, 42.421, 17.318



47, 80.002, 22.003

Previews

White Background



This preview shows how the CIELCh color 24, 24.003, 165.837 looks on a white background.

Color Contrast Check

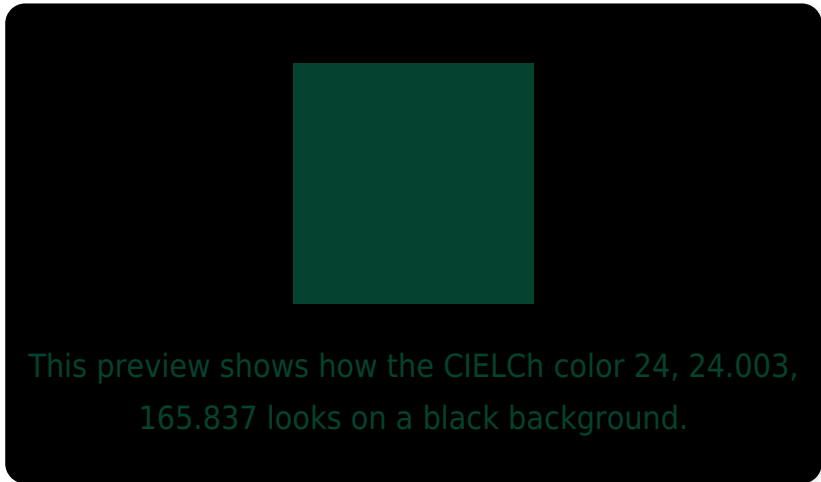
Large Text (above 18pt) WCAG AA ✓ Pass

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, 24.003, 165.837

Background



This preview shows how black text looks on a background with the CIELCh color 24, 24.003, 165.837.



This preview shows how white text looks on a background with the CIELCh color 24, 24.003, 165.837.

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, 24.145, 166.001

Protanopia

24, 8.787, 95.312

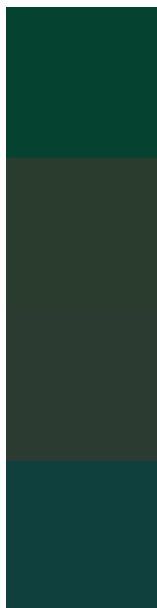
Deuteranopia

24, 5.877, 54.111



Tritanopia
24, 14.385, 210.652

Trichromacy



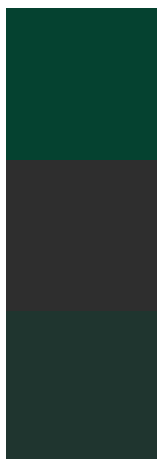
Original Color
24, 24.145, 166.001

Protanomaly
23, 13.284, 148.852

Deuteranomaly
23, 9.911, 155.587

Tritanomaly
24, 16.800, 189.758

Monochromacy



Original Color
24, 24.145, 166.001

Achromatopsia
19, 0.004, 296.813

Achromatomaly
20, 10.458, 174.381

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 24.003, 165.837 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(5, 66, 48)` looks like.

```
.text, #text, p{  
    color:rgb(5, 66, 48)  
}
```

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(5, 66, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(5, 66, 48) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 24.003, 165.837 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(5, 66, 48) }
```

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

```
.border{ border-color:rgb(5, 66, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(5, 66, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(5, 66, 48); -webkit-box-shadow:4px  
4px 4px 4px rgb(5, 66, 48); box-shadow:4px  
4px 4px 4px rgb(5, 66, 48) }
```

Background

The CSS property to change the background color of an element to CIELCh 24, 24.003, 165.837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(5, 66, 48) }
```

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

```
.background{ background-color: rgb(5, 66,  
48) }
```

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](#).

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