

Converting Colors

CIELCh(25, 48.773, 179.309)

Have a look what the booklet for
CIELCh(25, 48.773, 179.309)
contains.

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Color

CIELCh(27, 25.690, 170.064)

Conversions

Conversions Part 1

Format	Color
Hex	004938
RGB	0, 73, 56
RGB Percent	0%, 29%, 22%
CMY	1.0000, 0.7124, 0.7789
CMYK	1.00, 0.00, 0.23, 0.71
HSL	166°, 100%, 14%
HSV	166°, 100%, 29%
XYZ	3.1168, 5.0937, 4.6096
YIQ	49.2350, -38.0510, -20.7630

Conversions

Conversions Part 2

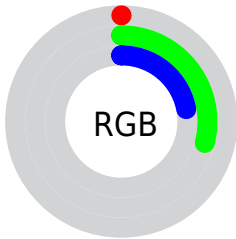
Format	Color
RYB	0, 41, 73
Decimal	18744
CIELab	27.00, -25.30, 4.43
CIELCh	27, 25.690, 170.064
Yxy	5.0937, 0.2431, 0.3973
Android (android.graphics.Color)	4278208824 (0xFF004938)
YUV	49.2350, 3.3351, -43.1791
Hunter-Lab	22.5692, -14.8449, 3.6888

Details

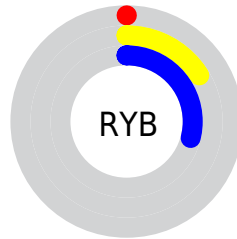
The CIELCh color **27, 25.690, 170.064** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **12, 35.374, 19.755**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **47, 25.358, 170.280**, and **9, 17.839, 153.987** is the 20% darker color. If you saturate the color by 10%, you get **27, 25.572, 169.957**, and if you desaturate by 10%, it is **27, 23.973, 171.271**.

Distribution



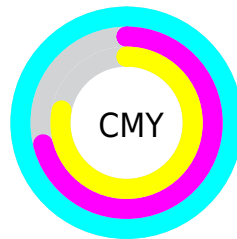
- Red (0%)
- Green (29%)
- Blue (22%)



- Red (0%)
- Yellow (16%)
- Blue (29%)



- Cyan (100%)
- Magenta (0%)
- Yellow (23%)
- Black (71%)





- Cyan (100%)
- Magenta (71%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 27, 25.690, 170.064 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 27, 25.690, 170.064 by changing the saturation by 10% instead.

 27, 25.690,
170.064

 27, 25.690,
170.064

 100, 25.690,
170.064


 17, 25.690,
170.064


 47, 25.690,
170.064


 7, 25.690, 170.064

 57, 25.690,
170.064

 0, 25.690, 170.064

 67, 25.690,
170.064

 77, 25.690,
170.064

 87, 25.690,
170.064

 97, 25.690,

170.064

■ 27, 25.690,
170.064

■ 27, 25.690,
170.064

■ 27, 25.572,
169.957

■ 27, 23.973,
171.271

■ 27, 22.349,
172.713

■ 28, 20.417,
174.044

■ 28, 18.165,
175.258

■ 28, 15.621,
176.371

■ 29, 12.824,
177.401

■ 29, 9.819, 178.363

■ 30, 6.651, 179.274

■ 30, 3.364, 180.160

Harmonies

Complementary

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



27, 25.690, 170.064



12, 35.374, 19.755

Rectangle

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



27, 25.690, 170.064



27, 25.690, 220.064



27, 25.690, 350.064



27, 25.690, 40.064

Sweetspot

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



27, 25.572, 169.957



38, 12.074, 178.259



27, 46.752, 133.115



18, 8.272, 178.056



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



27, 25.572, 169.957



35, 30.684, 169.198



20, 18.427, 244.338



14, 1.835, 180.291



37, 31.893, 169.057



81, 59.486, 167.511

Inverse Universe

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



12, 35.374, 19.755



18, 42.799, 22.901



15, 33.566, 43.037



13, 1.887, 1.534



19, 44.517, 23.323



48, 83.951, 27.831

Previews

White Background



This preview shows how the CIELCh color 27, 25.690, 170.064 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 27, 25.690, 170.064 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

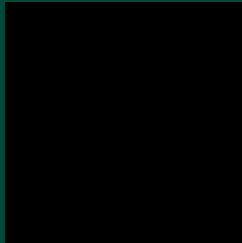
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 27, 25.690, 170.064

Background



This preview shows how black text looks on a background with the CIELCh color 27, 25.690, 170.064.



This preview shows how white text looks on a background with the CIELCh color 27, 25.690, 170.064.

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

27, 25.534, 169.828

Protanopia

27, 7.995, 94.727

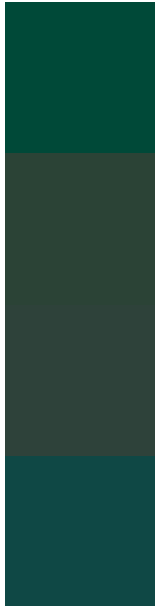
Deuteranopia

27, 5.070, 42.558



Tritanopia
27, 16.131, 208.837

Trichromacy



Original Color
27, 25.534, 169.828

Protanomaly
26, 13.592, 158.589

Deuteranomaly
26, 10.214, 166.863

Tritanomaly
27, 18.796, 190.515

Monochromacy



Original Color
27, 25.534, 169.828

Achromatopsia
20, 0.004, 296.813

Achromatomaly
22, 12.052, 177.637

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 27, 25.690, 170.064 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, 73, 56)` looks like.

```
.text, #text, p{  
    color:rgb(0, 73, 56)  
}
```

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, 73, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 73, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 27, 25.690, 170.064 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, 73, 56) }
```

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

```
.border{ border-color:rgb(0, 73, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 73, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 73, 56); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 73, 56); box-shadow:4px  
4px 4px 4px rgb(0, 73, 56) }
```

Background

The CSS property to change the background color of an element to CIELCh 27, 25.690, 170.064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 73, 56) }
```

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

```
.background{ background-color: rgb(0, 73,  
56) }
```

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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