

Converting Colors

CIELCh(23, 34.681, 196.543)

Have a look what the booklet for
CIELCh(23, 34.681, 196.543)
contains.

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Color

CIELCh(25, 18.872, 200.530)

Conversions

Conversions Part 1

Format	Color
Hex	004345
RGB	0, 67, 69
RGB Percent	0%, 26%, 27%
CMY	1.0000, 0.7380, 0.7302
CMYK	1.00, 0.03, 0.00, 0.73
HSL	182°, 100%, 13%
HSV	182°, 100%, 27%
XYZ	3.0594, 4.4155, 6.2885
YIQ	47.1950, -40.5740, -13.5820

Conversions

Conversions Part 2

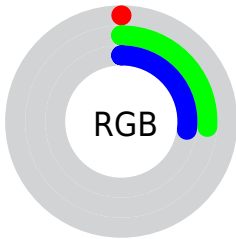
Format	Color
RYB	0, 34, 69
Decimal	17221
CIELab	25.00, -17.67, -6.62
CIELCh	25, 18.872, 200.530
Yxy	4.4155, 0.2223, 0.3208
Android (android.graphics.Color)	4278207301 (0xFF004345)
YUV	47.1950, 10.7499, -41.3900
Hunter-Lab	21.0130, -10.7841, -3.0343

Details

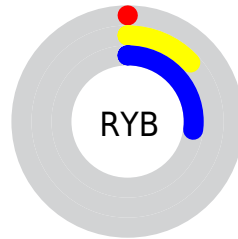
The CIELCh color **25, 18.872, 200.530** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 35.125, 30.295**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 18.805, 201.040**, and **7, 8.872, 204.151** is the 20% darker color. If you saturate the color by 10%, you get **25, 18.834, 200.543**, and if you desaturate by 10%, it is **25, 17.993, 200.427**.

Distribution



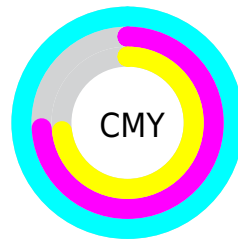
- Red (0%)
- Green (26%)
- Blue (27%)



- Red (0%)
- Yellow (13%)
- Blue (27%)



- Cyan (100%)
- Magenta (3%)
- Yellow (0%)
- Black (73%)





- Cyan (100%)
- Magenta (74%)
- Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 18.872, 200.530 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 25, 18.872, 200.530 by changing the saturation by 10% instead.

 25, 18.872,
200.530


 25, 18.872,
200.530

 100, 18.872,
200.530


 15, 18.872,
200.530


 45, 18.872,
200.530


 5, 18.872, 200.530

 55, 18.872,
200.530

 0, 18.872, 200.530

 65, 18.872,
200.530

 75, 18.872,
200.530

 85, 18.872,
200.530

 95, 18.872,

200.530

■ 25, 18.872,
200.530

■ 25, 18.872,
200.530

■ 25, 18.834,
200.543

■ 25, 17.993,
200.427

■ 25, 17.125,
200.300

■ 26, 15.960,
200.252

■ 26, 14.464,
200.291

■ 26, 12.653,
200.412

■ 27, 10.556,
200.607

■ 27, 8.204, 200.868

■ 28, 5.637, 201.193

■ 29, 2.890, 201.595

Harmonies

Complementary

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



25, 18.872, 200.530



11, 35.125, 30.295

Rectangle

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



25, 18.872, 200.530



25, 18.872, 250.530



25, 18.872, 20.530



25, 18.872, 70.530

Sweetspot

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



25, 18.834, 200.543



36, 10.143, 200.833



24, 46.010, 136.689



17, 6.933, 200.778



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



25, 18.834, 200.543



33, 22.439, 200.718



13, 26.044, 280.051



12, 1.564, 201.669



36, 23.750, 200.767



79, 43.682, 201.121

Inverse Universe

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



14, 44.125, 329.292



19, 52.602, 329.336



18, 29.283, 63.727



12, 2.873, 325.613



21, 55.684, 329.348



53, 102.534, 329.437

Previews

White Background



This preview shows how the CIE LCh color 25, 18.872, 200.530 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 25, 18.872, 200.530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

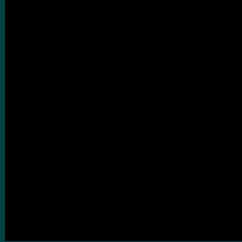
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 18.872, 200.530

Background



This preview shows how black text looks on a background with the CIELCh color 25, 18.872, 200.530.



This preview shows how white text looks on a background with the CIELCh color 25, 18.872, 200.530.

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
25, 18.872, 200.530

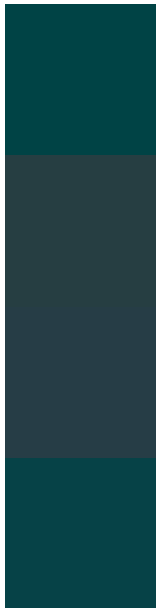
Protanopia
25, 3.333, 298.469

Deuteranopia
25, 8.637, 297.544



Tritanopia
25, 17.080, 210.413

Trichromacy



Original Color
25, 18.872, 200.530

Protanomaly
24, 9.713, 213.847

Deuteranomaly
24, 10.389, 233.472

Tritanomaly
25, 17.611, 207.664

Monochromacy



Original Color
25, 18.872, 200.530

Achromatopsia
19, 0.004, 296.813

Achromatomaly
21, 9.696, 201.688

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 18.872, 200.530 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, 67, 69)` looks like.

```
.text, #text, p{  
    color:rgb(0, 67, 69)  
}
```

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, 67, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 67, 69) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 18.872, 200.530 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, 67, 69) }
```

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

```
.border{ border-color:rgb(0, 67, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 67, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 67, 69); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 67, 69); box-shadow:4px  
4px 4px 4px rgb(0, 67, 69) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 18.872, 200.530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 67, 69) }
```

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

```
.background{ background-color: rgb(0, 67,  
69) }
```

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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