

Converting Colors

CIELCh(25, 22.792, 196.586)

Have a look what the booklet for
CIELCh(25, 22.792, 196.586)
contains.

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Color

CIELCh(25, 19.209, 198.416)

Conversions

Conversions Part 1

Format	Color
Hex	004344
RGB	0, 67, 68
RGB Percent	0%, 26%, 27%
CMY	1.0000, 0.7375, 0.7335
CMYK	1.00, 0.01, 0.00, 0.73
HSL	181°, 100%, 13%
HSV	181°, 100%, 27%
XYZ	3.0277, 4.4155, 6.1552
YIQ	47.0810, -40.2530, -13.8930

Conversions

Conversions Part 2

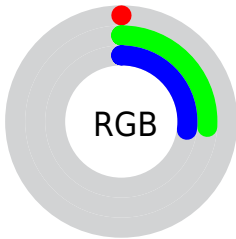
Format	Color
R_{YB}	0, 34, 68
Decimal	17220
CIE _{Lab}	25.00, -18.23, -6.07
CIE _{LCh}	25, 19.209, 198.416
Yxy	4.4155, 0.2226, 0.3247
Android (android.graphics.Color)	4278207300 (0xFF004344)
YUV	47.0810, 10.3131, -41.2900
Hunter-Lab	21.0130, -11.0537, -2.6583

Details

The CIELCh color **25, 19.209, 198.416** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **11, 35.008, 29.384**, and the grayscale version is **19, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 18.885, 199.170**, and **7, 9.473, 194.340** is the 20% darker color. If you saturate the color by 10%, you get **25, 19.008, 198.466**, and if you desaturate by 10%, it is **25, 18.138, 198.478**.

Distribution



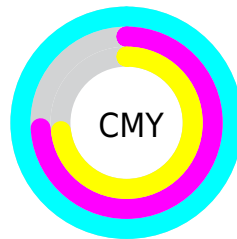
- Red (0%)
- Green (26%)
- Blue (27%)



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



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (73%)





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


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 19.209, 198.416 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, 19.209, 198.416 by changing the saturation by 10% instead.

 25, 19.209,
198.416


 25, 19.209,
198.416

 100, 19.209,
198.416


 15, 19.209,
198.416


 45, 19.209,
198.416


 5, 19.209, 198.416

 55, 19.209,
198.416

 0, 19.209, 198.416

 65, 19.209,
198.416

 75, 19.209,
198.416

 85, 19.209,
198.416

 95, 19.209,

198.416

■ 25, 19.209,
198.416

■ 25, 19.209,
198.416

■ 25, 19.008,
198.466

■ 25, 18.138,
198.478

■ 25, 17.244,
198.486

■ 26, 16.059,
198.556

■ 26, 14.545,
198.694

■ 26, 12.719,
198.899

■ 27, 10.607,
199.164

■ 27, 8.242, 199.488

■ 28, 5.661, 199.866

■ 28, 2.901, 200.314

Harmonies

Complementary

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



25, 19.209, 198.416



11, 35.008, 29.384

Rectangle

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



25, 19.209, 198.416



25, 19.209, 248.416



25, 19.209, 18.416



25, 19.209, 68.416

Sweetspot

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



25, 19.008, 198.466



36, 10.292, 199.443



24, 45.983, 136.421



17, 7.035, 199.376



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, 19.008, 198.466



33, 22.845, 198.556



13, 25.010, 278.228



12, 1.586, 200.394



36, 24.185, 198.580



80, 44.539, 198.754

Inverse Universe

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



13, 44.206, 328.766



19, 53.149, 328.789



17, 28.917, 62.063



12, 2.900, 325.224



21, 56.270, 328.795



53, 103.696, 328.839

Previews

White Background



This preview shows how the CIE LCh color 25, 19.209, 198.416 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, 19.209, 198.416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

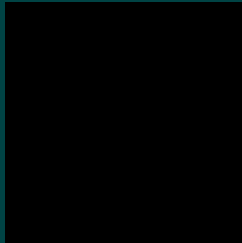
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 19.209, 198.416

Background



This preview shows how black text looks on a background with the CIELCh color 25, 19.209, 198.416.



This preview shows how white text looks on a background with the CIELCh color 25, 19.209, 198.416.

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, 19.019, 198.441

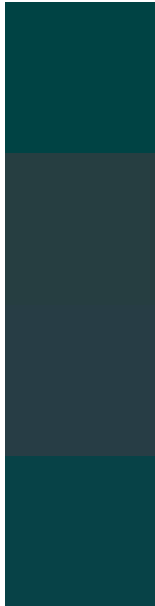
Protanopia
25, 2.682, 300.254

Deuteranopia
25, 8.042, 300.939



Tritanopia
25, 16.955, 210.532

Trichromacy



Original Color
25, 19.019, 198.441

Protanomaly
24, 9.650, 209.838

Deuteranomaly
24, 9.833, 231.042

Tritanomaly
25, 17.485, 207.761

Monochromacy



Original Color
25, 19.019, 198.441

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, 19.209, 198.416 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, 68)` looks like.

```
.text, #text, p{  
    color:rgb(0, 67, 68)  
}
```

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, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 67, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 19.209, 198.416 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, 68) }
```

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

```
.border{ border-color:rgb(0, 67, 68) }
```

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, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 67, 68); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 67, 68); box-shadow:4px  
4px 4px 4px rgb(0, 67, 68) }
```

Background

The CSS property to change the background color of an element to CIELCh 25, 19.209, 198.416 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, 68) }
```

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

```
.background{ background-color: rgb(0, 67,  
68) }
```

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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