

Converting Colors

CIELCh(25, 16.670, 197.187)

Have a look what the booklet for
CIELCh(25, 16.670, 197.187)
contains.

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Color

CIELCh(25, 16.699, 196.736)

Conversions

Conversions Part 1

Format	Color
Hex	104242
RGB	16, 66, 66
RGB Percent	6%, 26%, 26%
CMY	0.9367, 0.7407, 0.7407
CMYK	0.76, 0.00, 0.00, 0.74
HSL	180°, 61%, 16%
HSV	180°, 76%, 26%
XYZ	3.1575, 4.4155, 5.8571
YIQ	51.0500, -29.8000, -10.6000

Conversions

Conversions Part 2

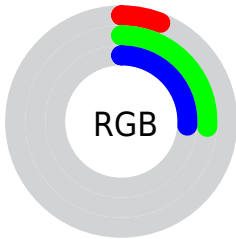
Format	Color
RYB	16, 41, 66
Decimal	1065538
CIELab	25.00, -15.99, -4.81
CIElCh	25, 16.699, 196.736
Yxy	4.4155, 0.2351, 0.3288
Android (android.graphics.Color)	4279255618 (0xFF104242)
YUV	51.0500, 7.3704, -30.7388
Hunter-Lab	21.0130, -9.9510, -1.8171

Details

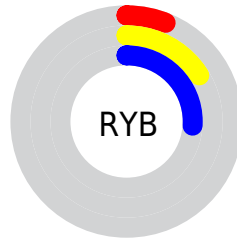
The CIELCh color **25, 16.699, 196.736** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **13, 27.377, 28.385**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 16.461, 197.581**, and **6, 8.387, 194.279** is the 20% darker color. If you saturate the color by 10%, you get **25, 17.720, 196.578**, and if you desaturate by 10%, it is **25, 15.355, 196.942**.

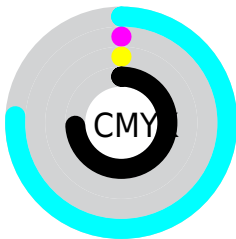
Distribution



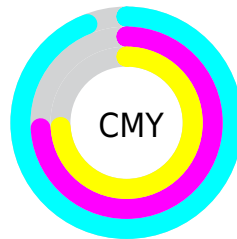
- Red (6%)
- Green (26%)
- Blue (26%)



- Red (6%)
- Yellow (16%)
- Blue (26%)



- Cyan (76%)
- Magenta (0%)
- Yellow (0%)
- Black (74%)





- Cyan (94%)
- Magenta (74%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 16.699, 196.736 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, 16.699, 196.736 by changing the saturation by 10% instead.

 25, 16.699,
196.736


 25, 16.699,
196.736

 100, 16.699,
196.736


 15, 16.699,
196.736


 45, 16.699,
196.736


 5, 16.699, 196.736

 55, 16.699,
196.736

 0, 16.699, 196.736

 65, 16.699,
196.736

 75, 16.699,
196.736

 85, 16.699,
196.736

 95, 16.699,

196.736

■ 25, 16.699,
196.736

■ 25, 16.699,
196.736

■ 25, 17.720,
196.578

■ 25, 15.355,
196.942

■ 25, 18.616,
196.443

■ 25, 13.697,
197.200

■ 25, 19.020,
196.382

■ 26, 11.744,
197.509

■ 26, 9.525, 197.867

■ 27, 7.073, 198.270

■ 27, 4.426, 198.724

■ 28, 1.620, 199.287

■ 28, 1.311, 19.431

■ 29, 4.335, 20.079

Harmonies

Complementary

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



25, 16.699, 196.736



13, 27.377, 28.385

Rectangle

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



25, 16.699, 196.736



25, 16.699, 246.736



25, 16.699, 16.736



25, 16.699, 66.736

Sweetspot

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



25, 16.699, 196.735



35, 8.006, 198.338



24, 37.176, 138.243



17, 5.427, 198.267



70, 0.009, 296.813



18, 0.003, 296.813

Same Dimension

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



25, 16.699, 196.735



33, 22.093, 196.475



16, 18.162, 268.358



12, 1.610, 199.094



37, 24.670, 196.381



81, 45.502, 196.381

Inverse Universe

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



13, 27.377, 28.385



16, 40.846, 32.927



19, 22.436, 65.337



12, 1.688, 19.772



18, 48.294, 35.259



47, 94.945, 39.999

Previews

White Background



This preview shows how the CIELCh color 25, 16.699, 196.736 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 CIE LCh color 25, 16.699, 196.736 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

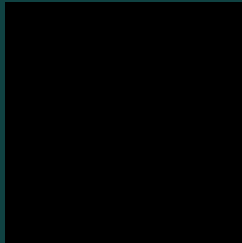
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 16.699, 196.736

Background



This preview shows how black text looks on a background with the CIELCh color 25, 16.699, 196.736.



This preview shows how white text looks on a background with the CIELCh color 25, 16.699, 196.736.

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, 16.699, 196.736

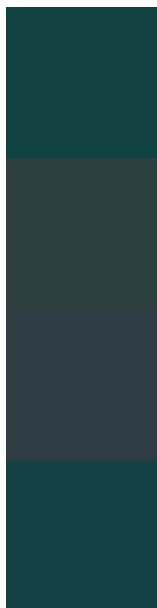
Protanopia
25, 2.035, 303.263

Deuteranopia
25, 6.747, 302.589



Tritanopia
25, 15.292, 212.299

Trichromacy



Original Color
25, 16.699, 196.736

Protanomaly
25, 7.494, 203.258

Deuteranomaly
25, 7.489, 230.635

Tritanomaly
25, 15.505, 206.923

Monochromacy



Original Color
25, 16.699, 196.736

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 7.602, 198.042

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 16.699, 196.736 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(16, 66, 66)` looks like.

```
.text, #text, p{  
    color:rgb(16, 66, 66)  
}
```

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(16, 66, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 66, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 16.699, 196.736 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(16, 66, 66) }
```

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

```
.border{ border-color:rgb(16, 66, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 66, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 66, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 66, 66);  
box-shadow:4px 4px 4px 4px rgb(16, 66, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 16.699, 196.736 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 66, 66) }
```

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

```
.background{ background-color: rgb(16, 66,  
66) }
```

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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