

Converting Colors

CIELCh(25, 17.313, 221.673)

Have a look what the booklet for
CIELCh(25, 17.313, 221.673)
contains.

CIELCh(25, 17.241, 222.315)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(25, 17.241, 222.315)

Conversions

Conversions Part 1

Format	Color
Hex	0A414C
RGB	10, 65, 76
RGB Percent	4%, 25%, 30%
CMY	0.9620, 0.7436, 0.7004
CMYK	0.87, 0.14, 0.00, 0.70
HSL	190°, 77%, 17%
HSV	190°, 87%, 30%
XYZ	3.3525, 4.4155, 7.5860
YIQ	49.8090, -36.3110, -8.2390

Conversions

Conversions Part 2

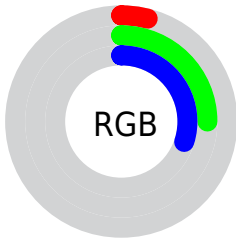
Format	Color
R_{YB}	10, 40, 76
Decimal	672076
CIE _{Lab}	25.00, -12.75, -11.61
CIE _{LCh}	25, 17.241, 222.315
Yxy	4.4155, 0.2183, 0.2876
Android (android.graphics.Color)	4278862156 (0xFF0A414C)
YUV	49.8090, 12.9122, -34.9125
Hunter-Lab	21.0130, -8.2946, -6.6954

Details

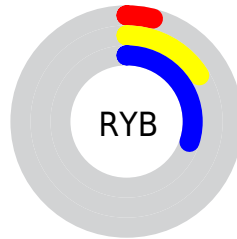
The CIELCh color **25, 17.241, 222.315** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **16, 32.718, 38.394**, and the grayscale version is **21, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 17.123, 222.800**, and **6, 10.080, 242.281** is the 20% darker color. If you saturate the color by 10%, you get **24, 18.006, 224.191**, and if you desaturate by 10%, it is **26, 16.358, 220.513**.

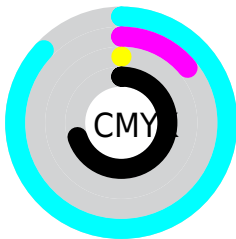
Distribution



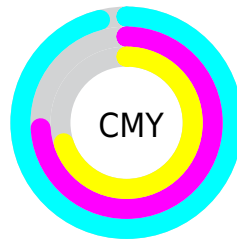
- Red (4%)
- Green (25%)
- Blue (30%)



- Red (4%)
- Yellow (16%)
- Blue (30%)



- Cyan (87%)
- Magenta (14%)
- Yellow (0%)
- Black (70%)





- Cyan (96%)
- Magenta (74%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 17.241, 222.315 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, 17.241, 222.315 by changing the saturation by 10% instead.

 25, 17.241,
222.315


 25, 17.241,
222.315

 100, 17.241,
222.315


 15, 17.241,
222.315


 45, 17.241,
222.315


 5, 17.241, 222.315

 55, 17.241,
222.315

 0, 17.241, 222.315

 65, 17.241,
222.315

 75, 17.241,
222.315

 85, 17.241,
222.315

 95, 17.241,

222.315

■ 25, 17.241,
222.315

■ 25, 17.241,
222.315

■ 24, 18.006,
224.191

■ 26, 16.358,
220.513

■ 24, 18.220,
224.660

■ 26, 15.147,
219.084

■ 27, 13.614,
217.973

■ 28, 11.777,
217.131

■ 29, 9.669, 216.512

■ 30, 7.324, 216.078

■ 31, 4.779, 215.802

■ 32, 2.069, 215.700

■ 33, 0.773, 35.126

Harmonies

Complementary

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



25, 17.241, 222.315



16, 32.718, 38.394

Rectangle

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



25, 17.241, 222.315



25, 17.241, 272.315



25, 17.241, 42.315



25, 17.241, 92.315

Sweetspot

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



25, 17.241, 222.314



39, 8.680, 216.066



28, 42.507, 140.454



19, 5.899, 216.131



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



25, 17.241, 222.314



32, 21.833, 225.870



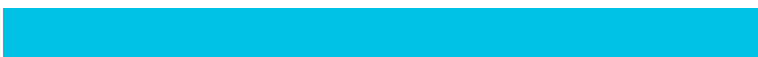
14, 30.932, 288.146



15, 1.575, 215.698



33, 22.224, 225.975



72, 40.209, 228.419

Inverse Universe

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



16, 39.995, 334.475



21, 51.301, 335.572



24, 30.020, 78.543



14, 2.955, 329.773



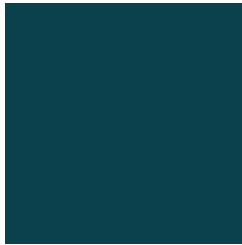
22, 52.202, 335.599



52, 93.659, 336.231

Previews

White Background



This preview shows how the CIELCh color 25, 17.241, 222.315 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, 17.241, 222.315 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

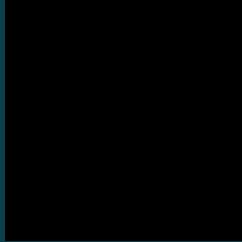
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 17.241, 222.315

Background



This preview shows how black text looks on a background with the CIELCh color 25, 17.241, 222.315.



This preview shows how white text looks on a background with the CIELCh color 25, 17.241, 222.315.

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, 17.131, 222.502

Protanopia
25, 8.587, 286.410

Deuteranopia
25, 13.218, 287.764



Tritanopia
25, 18.379, 207.094

Trichromacy



Original Color
25, 17.131, 222.502

Protanomaly
25, 11.380, 247.949

Deuteranomaly
25, 12.940, 253.887

Tritanomaly
25, 17.802, 212.011

Monochromacy



Original Color
25, 17.131, 222.502

Achromatopsia
21, 0.004, 296.813

Achromatomaly
22, 8.762, 216.000

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 17.241, 222.315 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(10, 65, 76)` looks like.

```
.text, #text, p{  
    color:rgb(10, 65, 76)  
}
```

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(10, 65, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 65, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 17.241, 222.315 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(10, 65, 76) }
```

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

```
.border{ border-color:rgb(10, 65, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 65, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 65, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 65, 76);  
box-shadow:4px 4px 4px 4px rgb(10, 65, 76)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 17.241, 222.315 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 65, 76) }
```

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

```
.background{ background-color: rgb(10, 65,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor