

Converting Colors

CIELCh(25, 13.322, 173.170)

Have a look what the booklet for
CIELCh(25, 13.322, 173.170)
contains.

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Color

CIELCh(25, 13.239, 173.670)

Conversions

Conversions Part 1

Format	Color
Hex	244139
RGB	36, 65, 57
RGB Percent	14%, 25%, 22%
CMY	0.8598, 0.7461, 0.7774
CMYK	0.45, 0.00, 0.12, 0.75
HSL	163°, 29%, 20%
HSV	163°, 45%, 25%
XYZ	3.3274, 4.4155, 4.5160
YIQ	55.4170, -14.7160, -8.6360

Conversions

Conversions Part 2

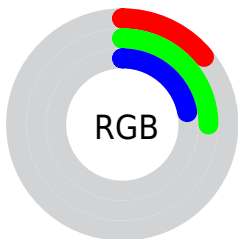
Format	Color
R_{YB}	36, 53, 65
Decimal	2375993
CIE _{Lab}	25.00, -13.16, 1.46
CIE _{LCh}	25, 13.239, 173.670
Yxy	4.4155, 0.2714, 0.3602
Android (android.graphics.Color)	4280566073 (0xFF244139)
YUV	55.4170, 0.7804, -17.0287
Hunter-Lab	21.0130, -8.5074, 1.9669

Details

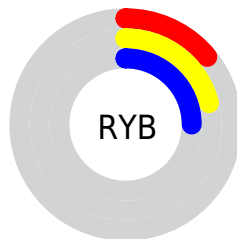
The CIELCh color **25, 13.239, 173.670** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **18, 15.062, 2.446**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 13.355, 174.120**, and **6, 9.654, 164.337** is the 20% darker color. If you saturate the color by 10%, you get **25, 15.806, 172.578**, and if you desaturate by 10%, it is **25, 10.485, 174.676**.

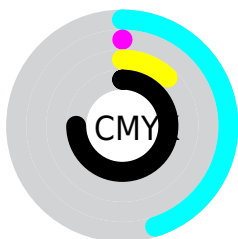
Distribution



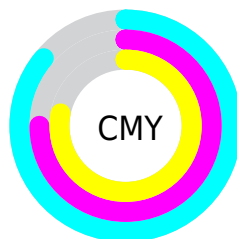
- Red (14%)
- Green (25%)
- Blue (22%)



- Red (14%)
- Yellow (21%)
- Blue (25%)



- Cyan (45%)
- Magenta (0%)
- Yellow (12%)
- Black (75%)





- Cyan (86%)
- Magenta (75%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 13.239, 173.670 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, 13.239, 173.670 by changing the saturation by 10% instead.

 25, 13.239,
173.670


 25, 13.239,
173.670

 100, 13.239,
173.670


 15, 13.239,
173.670


 45, 13.239,
173.670


 5, 13.239, 173.670

 55, 13.239,
173.670

 0, 13.239, 173.670

 65, 13.239,
173.670

 75, 13.239,
173.670

 85, 13.239,
173.670

 95, 13.239,

173.670

■ 25, 13.239,
173.670

■ 25, 13.239,
173.670

■ 25, 15.806,
172.578

■ 25, 10.485,
174.676

■ 24, 18.145,
171.389

■ 26, 7.582, 175.617

■ 24, 20.224,
170.085

■ 27, 4.571, 176.510

■ 27, 1.487, 177.434

■ 24, 22.022,
168.649

■ 28, 1.638, 357.935

■ 24, 23.712,
167.271

■ 28, 4.777, 358.767

■ 29, 7.910, 359.499

■ 24, 24.617,
166.637

■ 30, 11.019, 0.191

Harmonies

Complementary

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



25, 13.239, 173.670



18, 15.062, 2.446

Rectangle

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



25, 13.239, 173.670



25, 13.239, 223.670



25, 13.239, 353.670



25, 13.239, 43.670

Sweetspot

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



25, 13.239, 173.668



35, 5.006, 176.618



25, 21.146, 134.280



17, 3.531, 176.517



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, 13.239, 173.668



32, 19.296, 172.402



23, 9.647, 223.997



12, 1.763, 177.063



36, 33.011, 165.270



80, 62.464, 163.553

Inverse Universe

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



18, 15.062, 2.446



22, 22.710, 4.352



20, 12.755, 41.004



12, 1.805, 358.292



18, 42.789, 19.354



47, 81.006, 24.066

Previews

White Background



This preview shows how the CIE LCh color 25, 13.239, 173.670 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, 13.239, 173.670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

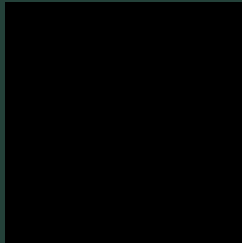
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 13.239, 173.670

Background



This preview shows how black text looks on a background with the CIELCh color 25, 13.239, 173.670.



This preview shows how white text looks on a background with the CIELCh color 25, 13.239, 173.670.

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](#).

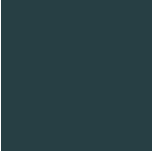
Dichromacy



Original Color
25, 13.239, 173.670

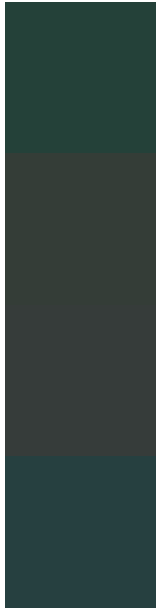
Protanopia
25, 3.408, 93.520

Deuteranopia
25, 3.761, 10.017



Tritanopia
25, 9.816, 217.756

Trichromacy



Original Color
25, 13.239, 173.670

Protanomaly
25, 5.717, 154.746

Deuteranomaly
25, 3.014, 172.967

Tritanomaly
25, 10.400, 197.692

Monochromacy



Original Color
25, 13.239, 173.670

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 5.308, 176.410

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 13.239, 173.670 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(36, 65, 57)` looks like.

```
.text, #text, p{  
    color:rgb(36, 65, 57)  
}
```

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(36, 65, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 65, 57) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 13.239, 173.670 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(36, 65, 57) }
```

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

```
.border{ border-color:rgb(36, 65, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 65, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 65, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 65, 57);  
box-shadow:4px 4px 4px 4px rgb(36, 65, 57)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 13.239, 173.670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 65, 57) }
```

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

```
.background{ background-color: rgb(36, 65,  
57) }
```

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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