

Converting Colors

CIELCh(25, 14.735, 171.146)

Have a look what the booklet for
CIELCh(25, 14.735, 171.146)
contains.

CIELCh(25, 14.515, 172.784)	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, 14.515, 172.784)

Conversions

Conversions Part 1

Format	Color
Hex	214138
RGB	33, 65, 56
RGB Percent	13%, 25%, 22%
CMY	0.8699, 0.7444, 0.7797
CMYK	0.49, 0.00, 0.14, 0.74
HSL	163°, 33%, 19%
HSV	163°, 49%, 26%
XYZ	3.2522, 4.4155, 4.4452
YIQ	54.4060, -16.1830, -9.5830

Conversions

Conversions Part 2

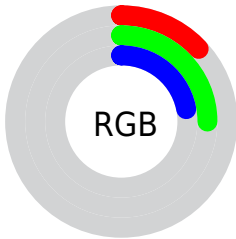
Format	Color
RYB	33, 52, 65
Decimal	2179384
CIELab	25.00, -14.40, 1.82
CIELCh	25, 14.515, 172.784
Yxy	4.4155, 0.2685, 0.3645
Android (android.graphics.Color)	4280369464 (0xFF214138)
YUV	54.4060, 0.7858, -18.7731
Hunter-Lab	21.0130, -9.1463, 2.1666

Details

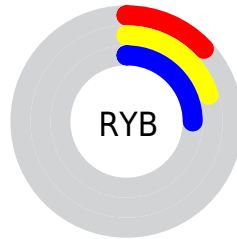
The CIELCh color **25, 14.515, 172.784** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **17, 16.680, 2.699**, and the grayscale version is **23, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 14.302, 173.047**, and **6, 9.947, 162.062** is the 20% darker color. If you saturate the color by 10%, you get **25, 17.018, 171.644**, and if you desaturate by 10%, it is **25, 11.807, 173.830**.

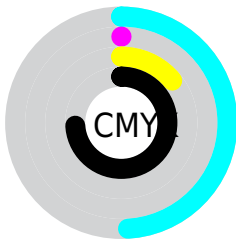
Distribution



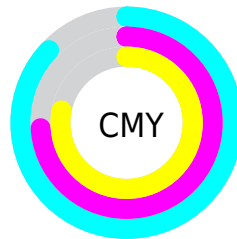
- Red (13%)
- Green (25%)
- Blue (22%)



- Red (13%)
- Yellow (20%)
- Blue (25%)



- Cyan (49%)
- Magenta (0%)
- Yellow (14%)
- Black (74%)





- Cyan (87%)
- Magenta (74%)
- Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 14.515, 172.784 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, 14.515, 172.784 by changing the saturation by 10% instead.


 25, 14.515,
172.784


 25, 14.515,
172.784

 100, 14.515,
172.784


 15, 14.515,
172.784


 45, 14.515,
172.784


 5, 14.515, 172.784

 55, 14.515,
172.784

 0, 14.515, 172.784

 65, 14.515,
172.784

 75, 14.515,
172.784

 85, 14.515,
172.784

 95, 14.515,

172.784

■ 25, 14.515,
172.784

■ 25, 14.515,
172.784

■ 25, 17.018,
171.644

■ 25, 11.807,
173.830

■ 24, 19.278,
170.398

■ 26, 8.933, 174.803

■ 24, 21.265,
169.027

■ 26, 5.935, 175.717

■ 27, 2.850, 176.604

■ 24, 22.999,
167.555

■ 28, 0.288, 356.570

■ 24, 24.737,
166.258

■ 28, 3.451, 358.025

■ 29, 6.614, 358.782

■ 24, 24.897,
166.151

■ 30, 9.758, 359.488

Harmonies

Complementary

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



25, 14.515, 172.784



17, 16.680, 2.699

Rectangle

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



25, 14.515, 172.784



25, 14.515, 222.784



25, 14.515, 352.784



25, 14.515, 42.784

Sweetspot

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



25, 14.515, 172.783



35, 5.786, 176.025



25, 23.246, 134.059



17, 3.979, 175.945



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, 14.515, 172.783



32, 20.867, 171.360



23, 10.459, 224.450



12, 1.769, 176.655



36, 33.240, 164.799



80, 62.928, 163.070

Inverse Universe

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



17, 16.680, 2.699



21, 24.814, 4.927



19, 14.286, 41.088



12, 1.810, 357.885



18, 42.692, 18.853



47, 80.747, 23.561

Previews

White Background



This preview shows how the CIE LCh color 25, 14.515, 172.784 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, 14.515, 172.784 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

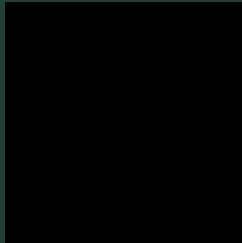
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 14.515, 172.784

Background



This preview shows how black text looks on a background with the CIELCh color 25, 14.515, 172.784.



This preview shows how white text looks on a background with the CIELCh color 25, 14.515, 172.784.

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

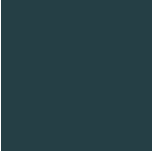
25, 14.515, 172.784

Protanopia

25, 4.180, 89.528

Deuteranopia

25, 3.761, 10.017



Tritanopia
25, 10.563, 220.100

Trichromacy



Original Color
25, 14.515, 172.784

Protanomaly
25, 6.207, 150.473

Deuteranomaly
25, 3.743, 166.849

Tritanomaly
25, 11.065, 197.583

Monochromacy



Original Color
25, 14.515, 172.784

Achromatopsia
23, 0.004, 296.813

Achromatomaly
24, 6.007, 172.069

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 14.515, 172.784 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(33, 65, 56)` looks like.

```
.text, #text, p{  
    color:rgb(33, 65, 56)  
}
```

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(33, 65, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 65, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 14.515, 172.784 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(33, 65, 56) }
```

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

```
.border{ border-color:rgb(33, 65, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 65, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 65, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 65, 56);  
box-shadow:4px 4px 4px 4px rgb(33, 65, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 14.515, 172.784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 65, 56) }
```

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

```
.background{ background-color: rgb(33, 65,  
56) }
```

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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