

Converting Colors

CIELCh(25, 12.646, 119.125)

Have a look what the booklet for
CIELCh(25, 12.646, 119.125)
contains.

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Color

CIELCh(25, 13.301, 120.174)

Conversions

Conversions Part 1

Format	Color
Hex	383E2A
RGB	56, 62, 42
RGB Percent	22%, 24%, 16%
CMY	0.7814, 0.7579, 0.8363
CMYK	0.10, 0.00, 0.32, 0.76
HSL	78°, 19%, 20%
HSV	78°, 32%, 24%
XYZ	3.7383, 4.4155, 2.8225
YIQ	57.9260, 2.8440, -7.4920

Conversions

Conversions Part 2

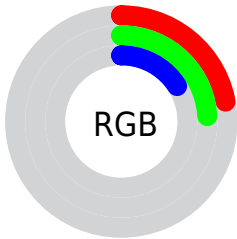
Format	Color
R_{YB}	42, 62, 48
Decimal	3685930
CIE Lab	25.00, -6.69, 11.50
CIE LCh	25, 13.301, 120.174
Yxy	4.4155, 0.3406, 0.4023
Android (android.graphics.Color)	4281876010 (0xFF383E2A)
YUV	57.9260, -7.8515, -1.6891
Hunter-Lab	21.0130, -5.0172, 6.7452

Details

The CIELCh color **25, 13.301, 120.174** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **18, 14.068, 303.698**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 13.277, 119.625**, and **5, 9.914, 129.820** is the 20% darker color. If you saturate the color by 10%, you get **25, 17.308, 119.677**, and if you desaturate by 10%, it is **25, 9.224, 120.689**.

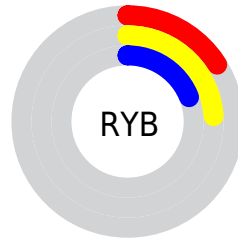
Distribution



Red (22%)

Green (24%)

Blue (16%)



Red (16%)

Yellow (24%)

Blue (19%)

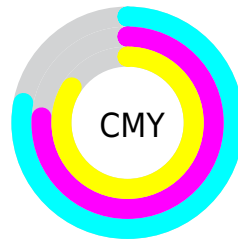


Cyan (10%)

Magenta (0%)

Yellow (32%)

Black (76%)



Cyan (78%)


Magenta (76%)


Yellow (84%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 13.301, 120.174 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, 13.301, 120.174 by changing the saturation by 10% instead.

 25, 13.301,
120.174


 25, 13.301,
120.174

 100, 13.301,
120.174


 15, 13.301,
120.174


 45, 13.301,
120.174


 5, 13.301, 120.174

 55, 13.301,
120.174

 0, 13.301, 120.174

 65, 13.301,
120.174

 75, 13.301,
120.174

 85, 13.301,
120.174

 95, 13.301,

120.174

■ 25, 13.301,
120.174

■ 25, 13.301,
120.174

■ 25, 17.308,
119.677

■ 25, 9.224, 120.689

■ 26, 5.108, 121.200

■ 24, 21.197,
119.213

■ 26, 0.977, 121.714

■ 24, 24.903,
118.817

■ 26, 3.153, 302.163

■ 27, 7.267, 302.621

■ 24, 28.334,
118.533

■ 27, 11.357,
303.052

■ 24, 31.367,
118.423

■ 28, 15.416,
303.455

■ 24, 34.008,
118.533

■ 23, 36.022,
118.616

■ 28, 19.437,
303.832

■ 29, 23.418,
304.183

Harmonies

Complementary

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



25, 13.301, 120.174



18, 14.068, 303.698

Rectangle

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



25, 13.301, 120.174



25, 13.301, 170.174



25, 13.301, 300.174



25, 13.301, 350.174

Sweetspot

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



25, 13.302, 120.176



33, 5.072, 121.299



21, 8.183, 49.861



16, 3.492, 121.271



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



25, 13.302, 120.176



32, 19.599, 119.762



24, 15.139, 137.345



11, 2.274, 121.400



36, 49.109, 118.954



81, 92.112, 120.059

Inverse Universe

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



18, 14.068, 303.698



22, 21.075, 304.289



20, 15.334, 320.056



10, 2.309, 302.230



10, 62.246, 308.951



31, 117.052, 308.221

Previews

White Background



This preview shows how the CIE LCh color 25, 13.301, 120.174 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, 13.301, 120.174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

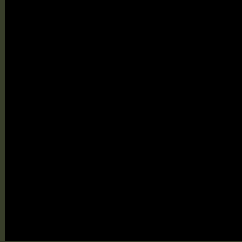
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

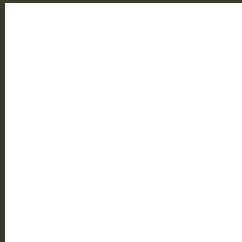
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 25, 13.301, 120.174

Background



This preview shows how black text looks on a background with the CIELCh color 25, 13.301, 120.174.

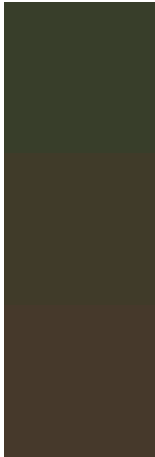


This preview shows how white text looks on a background with the CIELCh color 25, 13.301, 120.174.

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, 13.301, 120.174

Protanopia

25, 12.025, 95.603

Deuteranopia

25, 11.374, 73.048



Tritanopia
25, 3.298, 290.874

Trichromacy



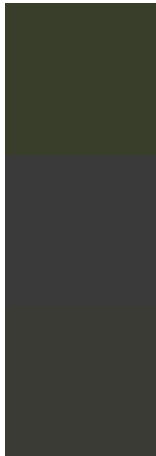
Original Color
25, 13.301, 120.174

Protanomaly
25, 12.373, 105.228

Deuteranomaly
25, 10.892, 91.992

Tritanomaly
25, 2.790, 128.836

Monochromacy



Original Color
25, 13.301, 120.174

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 4.705, 120.672

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 13.301, 120.174 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(56, 62, 42)` looks like.

```
.text, #text, p{  
    color:rgb(56, 62, 42)  
}
```

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(56, 62, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 62, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 13.301, 120.174 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(56, 62, 42) }
```

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

```
.border{ border-color:rgb(56, 62, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 62, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 62, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 62, 42);  
box-shadow:4px 4px 4px 4px rgb(56, 62, 42)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 13.301, 120.174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 62, 42) }
```

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

```
.background{ background-color: rgb(56, 62,  
42) }
```

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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