

Converting Colors

CIELCh(25, 15.954, 124.478)

Have a look what the booklet for
CIELCh(25, 15.954, 124.478)
contains.

CIELCh(25, 16.252, 124.451)	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, 16.252, 124.451)

Conversions

Conversions Part 1

Format	Color
Hex	353F27
RGB	53, 63, 39
RGB Percent	21%, 25%, 15%
CMY	0.7933, 0.7541, 0.8482
CMYK	0.16, 0.00, 0.38, 0.75
HSL	85°, 24%, 20%
HSV	85°, 38%, 25%
XYZ	3.5753, 4.4155, 2.5590
YIQ	57.2740, 1.7440, -9.5840

Conversions

Conversions Part 2

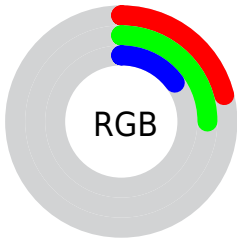
Format	Color
R_{YB}	39, 63, 49
Decimal	3489575
CIE Lab	25.00, -9.19, 13.40
CIE LCh	25, 16.252, 124.451
Yxy	4.4155, 0.3389, 0.4185
Android (android.graphics.Color)	4281679655 (0xFF353F27)
YUV	57.2740, -9.0091, -3.7483
Hunter-Lab	21.0130, -6.4019, 7.4888

Details

The CIELCh color **25, 16.252, 124.451** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **18, 17.193, 307.973**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 16.631, 124.624**, and **5, 11.426, 138.742** is the 20% darker color. If you saturate the color by 10%, you get **25, 20.365, 124.029**, and if you desaturate by 10%, it is **25, 12.049, 124.897**.

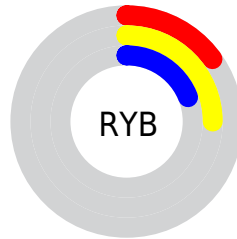
Distribution



Red (21%)

Green (25%)

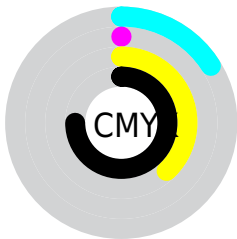
Blue (15%)



Red (15%)

Yellow (25%)

Blue (19%)

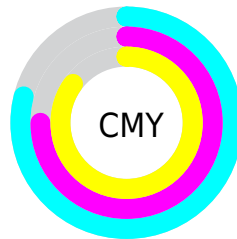


Cyan (16%)

Magenta (0%)

Yellow (38%)

Black (75%)



Cyan (79%)


Magenta (75%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 16.252, 124.451 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, 16.252, 124.451 by changing the saturation by 10% instead.

 25, 16.252,
124.451


 25, 16.252,
124.451

 100, 16.252,
124.451


 15, 16.252,
124.451


 45, 16.252,
124.451


 5, 16.252, 124.451

 55, 16.252,
124.451

 0, 16.252, 124.451

 65, 16.252,
124.451

 75, 16.252,
124.451

 85, 16.252,
124.451

 95, 16.252,

124.451

■ 25, 16.252,
124.451

■ 25, 16.252,
124.451

■ 25, 20.365,
124.029

■ 25, 12.049,
124.897

■ 24, 24.326,
123.656

■ 26, 7.794, 125.342

■ 24, 28.054,
123.374

■ 26, 3.520, 125.781

■ 27, 0.752, 306.130

■ 24, 31.439,
123.244

■ 27, 5.005, 306.564

■ 24, 34.358,
123.357

■ 28, 9.228, 306.932

■ 28, 13.410,
307.271

■ 23, 37.161,
123.514

■ 23, 37.653,
123.538

■ 29, 17.547,
307.583

■ 29, 21.631,
307.869

Harmonies

Complementary

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



25, 16.252, 124.451



18, 17.193, 307.973

Rectangle

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



25, 16.252, 124.451



25, 16.252, 174.451



25, 16.252, 304.451



25, 16.252, 354.451

Sweetspot

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



25, 16.253, 124.453



34, 5.850, 125.640



21, 9.922, 62.384



16, 3.864, 125.624



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, 16.253, 124.453



33, 24.183, 124.038



24, 18.773, 140.071



11, 2.321, 125.775



36, 50.838, 123.952



80, 95.701, 125.219

Inverse Universe

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



18, 17.193, 307.973



21, 26.016, 308.532



19, 18.867, 323.806



10, 2.352, 306.458



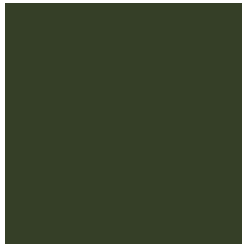
11, 60.892, 310.898



33, 114.482, 310.045

Previews

White Background



This preview shows how the CIELCh color 25, 16.252, 124.451 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, 16.252, 124.451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

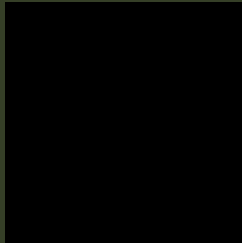
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

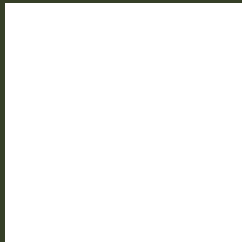
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 25, 16.252, 124.451

Background



This preview shows how black text looks on a background with the CIELCh color 25, 16.252, 124.451.



This preview shows how white text looks on a background with the CIELCh color 25, 16.252, 124.451.

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, 16.252, 124.451

Protanopia

25, 14.650, 95.020

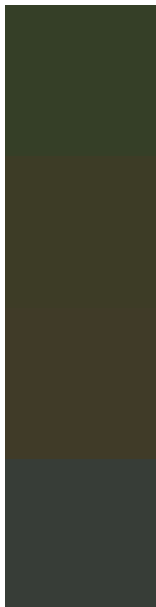
Deuteranopia

25, 13.354, 75.403



Tritanopia
25, 3.125, 256.910

Trichromacy



Original Color
25, 16.252, 124.451

Protanomaly
25, 14.282, 105.099

Deuteranomaly
25, 12.656, 96.025

Tritanomaly
25, 4.828, 143.967

Monochromacy



Original Color
25, 16.252, 124.451

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 6.228, 126.494

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 16.252, 124.451 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(53, 63, 39)` looks like.

```
.text, #text, p{  
    color:rgb(53, 63, 39)  
}
```

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(53, 63, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 63, 39) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 16.252, 124.451 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(53, 63, 39) }
```

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

```
.border{ border-color:rgb(53, 63, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 63, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 63, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 63, 39);  
box-shadow:4px 4px 4px 4px rgb(53, 63, 39)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 16.252, 124.451 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 63, 39) }
```

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

```
.background{ background-color: rgb(53, 63,  
39) }
```

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