

Converting Colors

CIELCh(25, 9.148, 111.632)

Have a look what the booklet for
CIELCh(25, 9.148, 111.632) contains.

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Color

CIELCh(25, 9.162, 111.262)

Conversions

Conversions Part 1

Format	Color
Hex	3B3C2E
RGB	59, 60, 46
RGB Percent	23%, 24%, 18%
CMY	0.7671, 0.7632, 0.8181
CMYK	0.02, 0.00, 0.23, 0.76
HSL	64°, 13%, 21%
HSV	64°, 23%, 24%
XYZ	3.9645, 4.4155, 3.2675
YIQ	58.1050, 3.8980, -4.5660

Conversions

Conversions Part 2

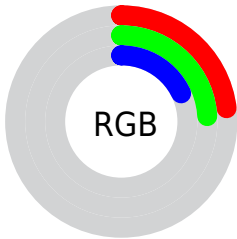
Format	Color
R_{YB}	46, 60, 47
Decimal	3882030
CIE Lab	25.00, -3.32, 8.54
CIE LCh	25, 9.162, 111.262
Yxy	4.4155, 0.3404, 0.3791
Android (android.graphics.Color)	4282072110 (0xFF3B3C2E)
YUV	58.1050, -5.9678, 0.7849
Hunter-Lab	21.0130, -3.0955, 5.4895

Details

The CIELCh color **25, 9.162, 111.262** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **20, 9.595, 294.971**, and the grayscale version is **25, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 8.916, 111.664**, and **5, 8.051, 113.060** is the 20% darker color. If you saturate the color by 10%, you get **25, 13.049, 110.523**, and if you desaturate by 10%, it is **25, 5.228, 112.011**.

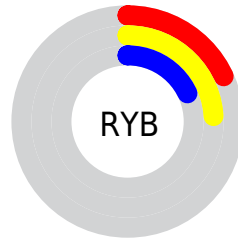
Distribution



Red (23%)

Green (24%)

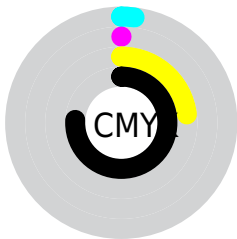
Blue (18%)



Red (18%)

Yellow (24%)

Blue (18%)

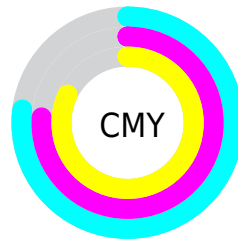


Cyan (2%)

Magenta (0%)

Yellow (23%)

Black (76%)



Cyan (77%)

Magenta (76%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 25, 9.162, 111.262 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, 9.162, 111.262 by changing the saturation by 10% instead.

■ 25, 9.162, 111.262

■ 25, 9.162, 111.262

■ 100, 9.162,
111.262

■ 15, 9.162, 111.262

■ 45, 9.162, 111.262

■ 5, 9.162, 111.262

■ 55, 9.162, 111.262

■ 0, 9.162, 111.262

■ 65, 9.162, 111.262

■ 75, 9.162, 111.262

■ 85, 9.162, 111.262

■ 95, 9.162, 111.262

■ 25, 9.162, 111.262

■ 25, 9.162, 111.262

■ 25, 13.049,
110.523

■ 25, 5.228, 112.011

■ 25, 16.856,
109.795

■ 25, 1.268, 112.739

■ 25, 20.535,
109.099

■ 26, 2.701, 293.480

■ 24, 24.020,
108.459

■ 26, 10.628,
294.853

■ 24, 27.215,
107.904

■ 26, 14.571,
295.501

■ 24, 29.986,
107.477

■ 27, 18.492,
296.119

■ 24, 32.416,
107.200

■ 27, 22.389,
296.707

■ 24, 34.069,
107.041

■ 28, 26.257,
297.265

Harmonies

Complementary

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



25, 9.162, 111.262



20, 9.595, 294.971

Rectangle

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



25, 9.162, 111.262



25, 9.162, 161.262



25, 9.162, 291.262



25, 9.162, 341.262

Sweetspot

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



25, 9.163, 111.266



33, 3.470, 112.444



21, 6.429, 26.270



16, 2.275, 112.443



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, 9.163, 111.266



33, 13.801, 110.812



24, 9.954, 130.479



11, 2.223, 112.362



38, 46.982, 106.965



85, 87.571, 107.291

Inverse Universe

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



20, 9.595, 294.971



25, 14.648, 295.605



20, 10.188, 312.244



10, 2.263, 293.640



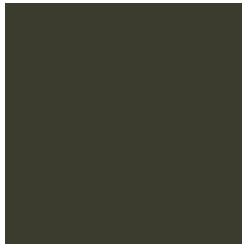
8, 64.169, 306.742



28, 120.103, 306.465

Previews

White Background



This preview shows how the CIELCh color 25, 9.162, 111.262 looks on a white background.

Color Contrast Check

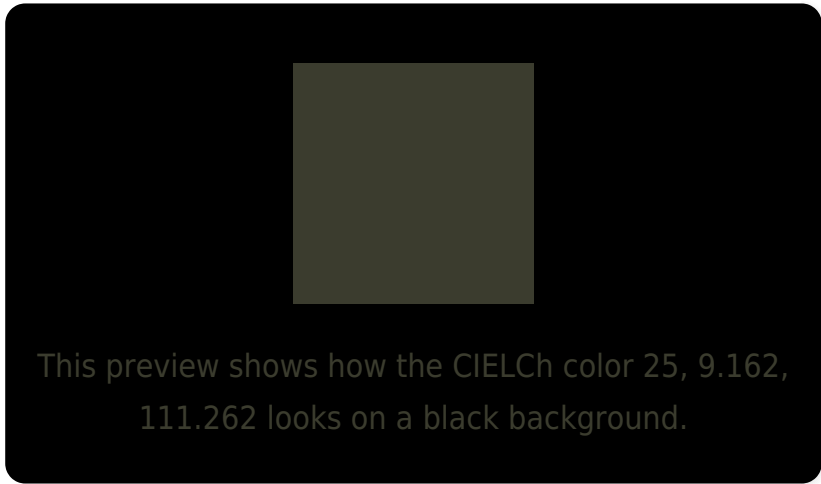
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

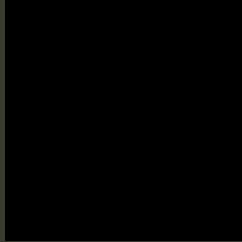
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

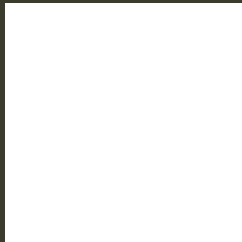
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 25, 9.162, 111.262

Background



This preview shows how black text looks on a background with the CIELCh color 25, 9.162, 111.262.

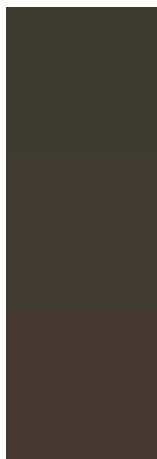


This preview shows how white text looks on a background with the CIELCh color 25, 9.162, 111.262.

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, 9.162, 111.262

Protanopia

25, 8.738, 95.389

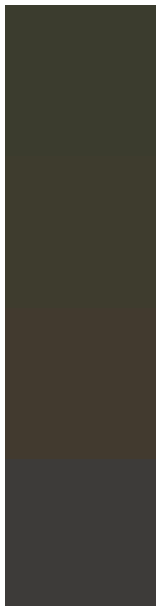
Deuteranopia

25, 8.909, 67.064



Tritanopia
25, 3.771, 319.091

Trichromacy



Original Color

25, 9.162, 111.262

Protanomaly

25, 9.193, 102.134

Deuteranomaly

25, 8.244, 80.165

Tritanomaly

25, 1.596, 74.633

Monochromacy



Original Color

25, 9.162, 111.262

Achromatopsia

24, 0.004, 296.813

Achromatomaly

25, 3.285, 109.471

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 9.162, 111.262 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(59, 60, 46)` looks like.

```
.text, #text, p{  
    color:rgb(59, 60, 46)  
}
```

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(59, 60, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 60, 46) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 9.162, 111.262 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(59, 60, 46) }
```

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

```
.border{ border-color:rgb(59, 60, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 60, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 60, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 60, 46);  
box-shadow:4px 4px 4px 4px rgb(59, 60, 46)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 9.162, 111.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 60, 46) }
```

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

```
.background{ background-color: rgb(59, 60,  
46) }
```

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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