

Converting Colors

CIELCh(25, 31.947, 123.375)

Have a look what the booklet for
CIELCh(25, 31.947, 123.375)
contains.

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Color

CIELCh(25, 31.948, 123.369)

Conversions

Conversions Part 1

Format	Color
Hex	2C410F
RGB	44, 65, 15
RGB Percent	17%, 25%, 6%
CMY	0.8256, 0.7433, 0.9394
CMYK	0.32, 0.00, 0.76, 0.74
HSL	85°, 62%, 16%
HSV	85°, 76%, 26%
XYZ	3.0652, 4.4155, 1.1601
YIQ	53.0210, 3.5340, -20.0020

Conversions

Conversions Part 2

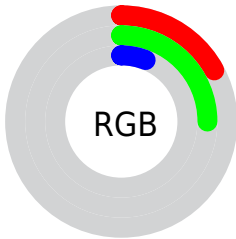
Format	Color
R_{YB}	15, 65, 36
Decimal	2900239
CIE _{Lab}	25.00, -17.57, 26.68
CIE _{LCh}	25, 31.948, 123.369
Yxy	4.4155, 0.3547, 0.5110
Android (android.graphics.Color)	4281090319 (0xFF2C410F)
YUV	53.0210, -18.7444, -7.9114
Hunter-Lab	21.0130, -10.7345, 11.4359

Details

The CIELCh color **25, 31.948, 123.369** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **10, 36.248, 310.178**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 32.017, 123.124**, and **6, 14.818, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **25, 35.045, 123.430**, and if you desaturate by 10%, it is **25, 28.381, 123.525**.

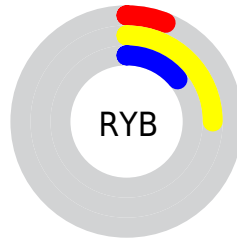
Distribution



Red (17%)

Green (25%)

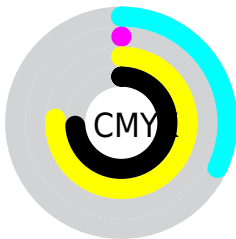
Blue (6%)



Red (6%)

Yellow (25%)

Blue (14%)

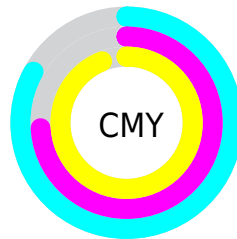


Cyan (32%)

Magenta (0%)

Yellow (76%)

Black (74%)



Cyan (83%)


Magenta (74%)


Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 31.948, 123.369 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, 31.948, 123.369 by changing the saturation by 10% instead.

 25, 31.948,
123.369


 25, 31.948,
123.369

 100, 31.948,
123.369


 15, 31.948,
123.369


 45, 31.948,
123.369


 5, 31.948, 123.369

 55, 31.948,
123.369

 0, 31.948, 123.369

 65, 31.948,
123.369

 75, 31.948,
123.369

 85, 31.948,
123.369

 95, 31.948,

123.369

■ 25, 31.948,
123.369

■ 25, 31.948,
123.369

■ 25, 35.045,
123.430

■ 25, 28.381,
123.525

■ 25, 37.963,
123.543

■ 26, 24.472,
123.824

■ 24, 39.020,
123.574

■ 26, 20.335,
124.210

■ 26, 16.050,
124.640

■ 27, 11.677,
125.088

■ 27, 7.258, 125.535

■ 27, 2.823, 125.975

■ 28, 1.605, 306.345

■ 28, 6.012, 306.750

Harmonies

Complementary

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



25, 31.948, 123.369



10, 36.248, 310.178

Rectangle

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



25, 31.948, 123.369



25, 31.948, 173.369



25, 31.948, 303.369



25, 31.948, 353.369

Sweetspot

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



25, 31.948, 123.370



35, 12.551, 125.198



18, 22.507, 58.875



17, 8.762, 125.119



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, 31.948, 123.370



32, 44.322, 123.720



24, 36.642, 137.110



13, 2.489, 125.880



37, 51.866, 124.129



81, 96.639, 125.354

Inverse Universe

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



10, 36.248, 310.178



11, 52.042, 310.710



14, 36.482, 325.022



11, 2.522, 306.578



11, 62.022, 310.920



34, 115.405, 310.096

Previews

White Background



This preview shows how the CIELCh color 25, 31.948, 123.369 looks on a white background.

Color Contrast Check

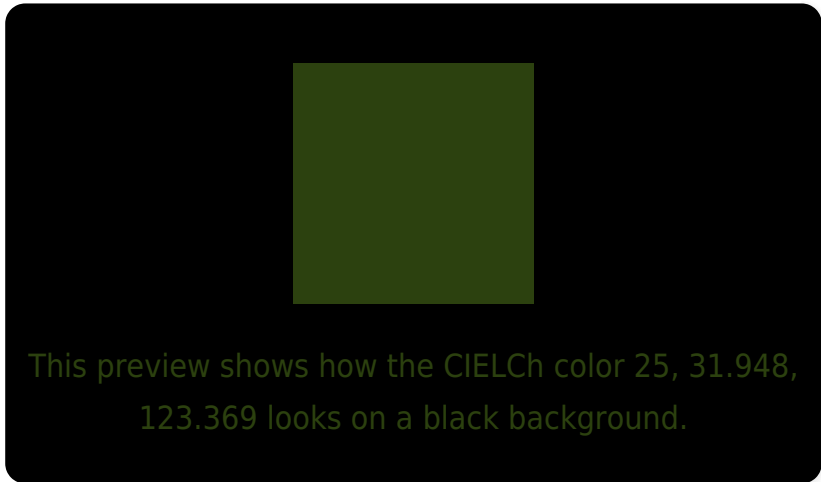
Large Text (above 18pt) WCAG AA ✓ Pass

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

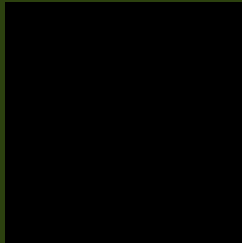
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 31.948, 123.369

Background



This preview shows how black text looks on a background with the CIELCh color 25, 31.948, 123.369.



This preview shows how white text looks on a background with the CIELCh color 25, 31.948, 123.369.

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

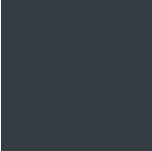
25, 31.948, 123.369

Protanopia

25, 27.943, 95.296

Deuteranopia

25, 25.670, 82.534



Tritanopia
25, 5.267, 237.746

Trichromacy



Original Color
25, 31.948, 123.369

Protanomaly
25, 28.054, 106.408

Deuteranomaly
24, 25.643, 99.844

Tritanomaly
25, 11.813, 141.427

Monochromacy



Original Color
25, 31.948, 123.369

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 13.086, 124.875

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 31.948, 123.369 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(44, 65, 15)` looks like.

```
.text, #text, p{  
    color:rgb(44, 65, 15)  
}
```

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(44, 65, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 65, 15) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 31.948, 123.369 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(44, 65, 15) }
```

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

```
.border{ border-color:rgb(44, 65, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 65, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 65, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 65, 15);  
box-shadow:4px 4px 4px 4px rgb(44, 65, 15)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 31.948, 123.369 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 65, 15) }
```

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

```
.background{ background-color: rgb(44, 65,  
15) }
```

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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