

Converting Colors

CIELCh(25, 21.875, 116.737)

Have a look what the booklet for
CIELCh(25, 21.875, 116.737)
contains.

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Color

CIELCh(25, 21.919, 116.380)

Conversions

Conversions Part 1

Format	Color
Hex	373F1D
RGB	55, 63, 29
RGB Percent	22%, 25%, 11%
CMY	0.7854, 0.7540, 0.8873
CMYK	0.13, 0.00, 0.54, 0.75
HSL	74°, 37%, 18%
HSV	74°, 54%, 25%
XYZ	3.5405, 4.4155, 1.8111
YIQ	56.7320, 6.1460, -12.2700

Conversions

Conversions Part 2

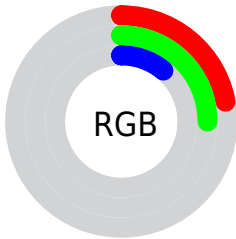
Format	Color
R_{YB}	29, 63, 37
Decimal	3620637
CIE Lab	25.00, -9.74, 19.64
CIE LCh	25, 21.919, 116.380
Yxy	4.4155, 0.3625, 0.4521
Android (android.graphics.Color)	4281810717 (0xFF373F1D)
YUV	56.7320, -13.6719, -1.5190
Hunter-Lab	21.0130, -6.6975, 9.5990

Details

The CIELCh color **25, 21.919, 116.380** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **13, 24.512, 303.436**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **45, 21.945, 116.517**, and **5, 11.708, 141.108** is the 20% darker color. If you saturate the color by 10%, you get **25, 25.570, 115.948**, and if you desaturate by 10%, it is **25, 18.063, 116.890**.

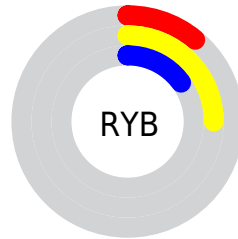
Distribution



Red (22%)

Green (25%)

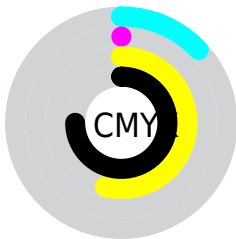
Blue (11%)



Red (11%)

Yellow (25%)

Blue (15%)

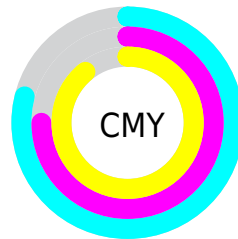


Cyan (13%)

Magenta (0%)

Yellow (54%)

Black (75%)



Cyan (79%)


Magenta (75%)


Yellow (89%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 25, 21.919, 116.380 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, 21.919, 116.380 by changing the saturation by 10% instead.

 25, 21.919,
116.380


 25, 21.919,
116.380

 100, 21.919,
116.380


 15, 21.919,
116.380


 45, 21.919,
116.380


 5, 21.919, 116.380

 55, 21.919,
116.380

 0, 21.919, 116.380

 65, 21.919,
116.380

 75, 21.919,
116.380

 85, 21.919,
116.380

 95, 21.919,

116.380

■ 25, 21.919,
116.380

■ 25, 21.919,
116.380

■ 25, 25.570,
115.948

■ 25, 18.063,
116.890

■ 25, 28.914,
115.631

■ 25, 14.073,
117.438

■ 24, 31.819,
115.494

■ 26, 9.999, 118.005

■ 26, 5.877, 118.573

■ 24, 34.431,
115.505

■ 26, 1.731, 119.135

■ 24, 35.956,
115.518

■ 27, 2.420, 299.665

■ 27, 6.562, 300.186

■ 27, 10.687,
300.681

■ 28, 14.786,
301.148

Harmonies

Complementary

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



25, 21.919, 116.380



13, 24.512, 303.436

Rectangle

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



25, 21.919, 116.380



25, 21.919, 166.380



25, 21.919, 296.380



25, 21.919, 346.380

Sweetspot

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



25, 21.920, 116.382



34, 8.252, 118.430



18, 15.386, 42.738



16, 5.476, 118.396



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, 21.920, 116.382



33, 32.010, 115.815



24, 24.864, 134.292



11, 2.254, 118.899



37, 48.298, 115.824



82, 90.393, 116.766

Inverse Universe

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



13, 24.512, 303.436



15, 37.170, 304.782



15, 25.594, 318.757



10, 2.291, 299.835



9, 62.914, 308.124



29, 118.231, 307.496

Previews

White Background



This preview shows how the CIELCh color 25, 21.919, 116.380 looks on a white background.

Color Contrast Check

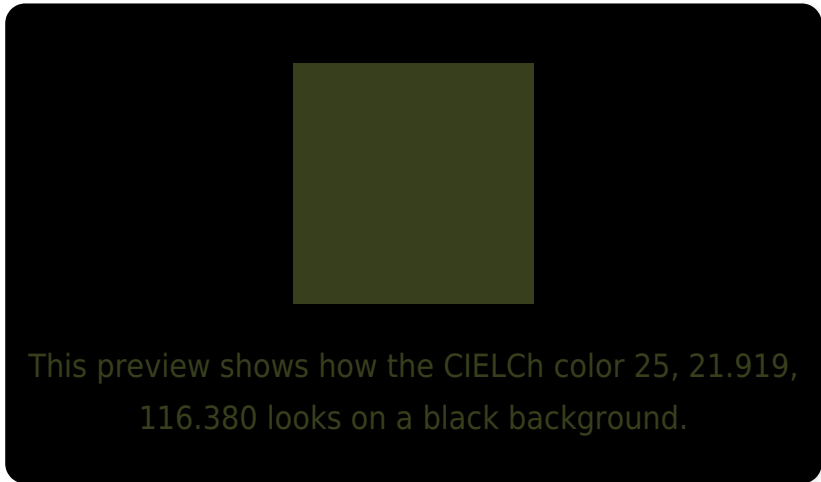
Large Text (above 18pt) WCAG AA ✓ Pass

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

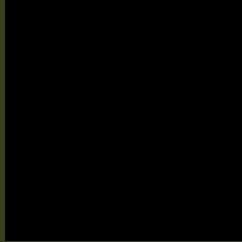
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 25, 21.919, 116.380

Background



This preview shows how black text looks on a background with the CIELCh color 25, 21.919, 116.380.



This preview shows how white text looks on a background with the CIELCh color 25, 21.919, 116.380.

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, 21.919, 116.380

Protanopia

25, 20.254, 95.393

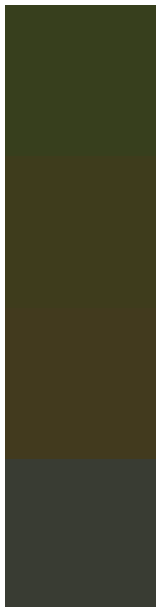
Deuteranopia

25, 19.383, 78.730



Tritanopia
25, 3.298, 290.874

Trichromacy



Original Color
25, 21.919, 116.380

Protanomaly
25, 20.465, 102.866

Deuteranomaly
25, 18.621, 93.198

Tritanomaly
25, 6.078, 122.349

Monochromacy



Original Color
25, 21.919, 116.380

Achromatopsia
24, 0.004, 296.813

Achromatomaly
24, 7.958, 115.422

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 25, 21.919, 116.380 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(55, 63, 29)` looks like.

```
.text, #text, p{  
    color:rgb(55, 63, 29)  
}
```

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(55, 63, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 63, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 25, 21.919, 116.380 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(55, 63, 29) }
```

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

```
.border{ border-color:rgb(55, 63, 29) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 63, 29)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 63, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 63, 29);  
box-shadow:4px 4px 4px 4px rgb(55, 63, 29)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 25, 21.919, 116.380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 63, 29) }
```

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

```
.background{ background-color: rgb(55, 63,  
29) }
```

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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