

Converting Colors

CIELCh(24, 29.839, 117.159)

Have a look what the booklet for
CIELCh(24, 29.839, 117.159)
contains.

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Color

CIELCh(24, 29.839, 117.159)

Conversions

Conversions Part 1

Format	Color
Hex	313E0E
RGB	49, 62, 14
RGB Percent	19%, 24%, 5%
CMY	0.8087, 0.7577, 0.9460
CMYK	0.21, 0.00, 0.78, 0.76
HSL	76°, 64%, 15%
HSV	76°, 78%, 24%
XYZ	3.0446, 4.1002, 1.0387
YIQ	52.6410, 7.6600, -17.6840

Conversions

Conversions Part 2

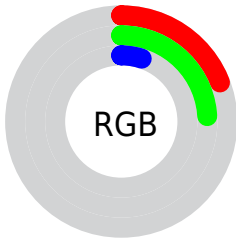
Format	Color
R_{YB}	14, 62, 27
Decimal	3227150
CIE Lab	24.00, -13.62, 26.55
CIE LCh	24, 29.839, 117.159
Yxy	4.1002, 0.3720, 0.5010
Android (android.graphics.Color)	4281417230 (0xFF313E0E)
YUV	52.6410, -19.0500, -3.1932
Hunter-Lab	20.2490, -8.5970, 11.1330

Details

The CIELCh color **24, 29.839, 117.159** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **8, 35.344, 306.516**, and the grayscale version is **22, 0.004, 296.813**.

A 20% lighter version of the original color is **44, 30.115, 117.399**, and **5, 12.165, 144.443** is the 20% darker color. If you saturate the color by 10%, you get **24, 32.579, 117.158**, and if you desaturate by 10%, it is **24, 26.630, 117.388**.

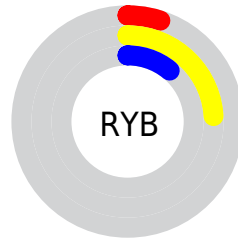
Distribution



Red (19%)

Green (24%)

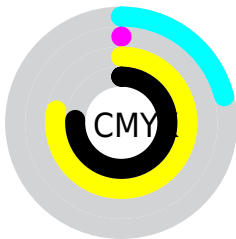
Blue (5%)



Red (5%)

Yellow (24%)

Blue (11%)

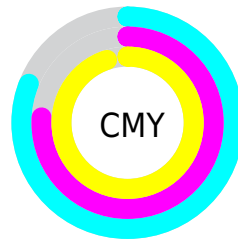


Cyan (21%)

Magenta (0%)

Yellow (78%)

Black (76%)



Cyan (81%)


Magenta (76%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 24, 29.839, 117.159 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 24, 29.839, 117.159 by changing the saturation by 10% instead.

 24, 29.839,
117.159


 24, 29.839,
117.159

 100, 29.839,
117.159


 14, 29.839,
117.159


 44, 29.839,
117.159


 4, 29.839, 117.159

 54, 29.839,
117.159

 0, 29.839, 117.159

 64, 29.839,
117.159

 74, 29.839,
117.159

 84, 29.839,
117.159

 94, 29.839,

117.159

■ 24, 29.839,
117.159

■ 24, 29.839,
117.159

■ 24, 32.579,
117.158

■ 24, 26.630,
117.388

■ 24, 35.189,
117.235

■ 24, 23.083,
117.754

■ 24, 35.793,
117.254

■ 25, 19.306,
118.209

■ 25, 15.377,
118.715

■ 25, 11.353,
119.245

■ 26, 7.272, 119.782

■ 26, 3.163, 120.313

■ 26, 0.954, 300.804

■ 27, 5.065, 301.310

Harmonies

Complementary

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



24, 29.839, 117.159



8, 35.344, 306.516

Rectangle

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



24, 29.839, 117.159



24, 29.839, 167.159



24, 29.839, 297.159



24, 29.839, 347.159

Sweetspot

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



24, 29.839, 117.161



33, 11.593, 119.445



14, 22.599, 44.900



16, 8.094, 119.359



69, 0.009, 296.813



16, 0.003, 296.813

Same Dimension

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



24, 29.839, 117.161



31, 40.917, 117.265



23, 34.139, 134.056



11, 2.264, 120.275



37, 48.726, 117.568



82, 91.302, 118.606

Inverse Universe

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



8, 35.344, 306.516



8, 51.141, 307.917



12, 35.035, 320.290



10, 2.301, 301.150



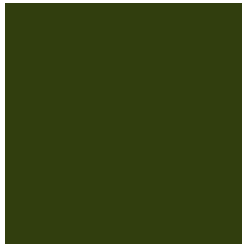
9, 62.558, 308.555



30, 117.612, 307.869

Previews

White Background



This preview shows how the CIELCh color 24, 29.839, 117.159 looks on a white background.

Color Contrast Check

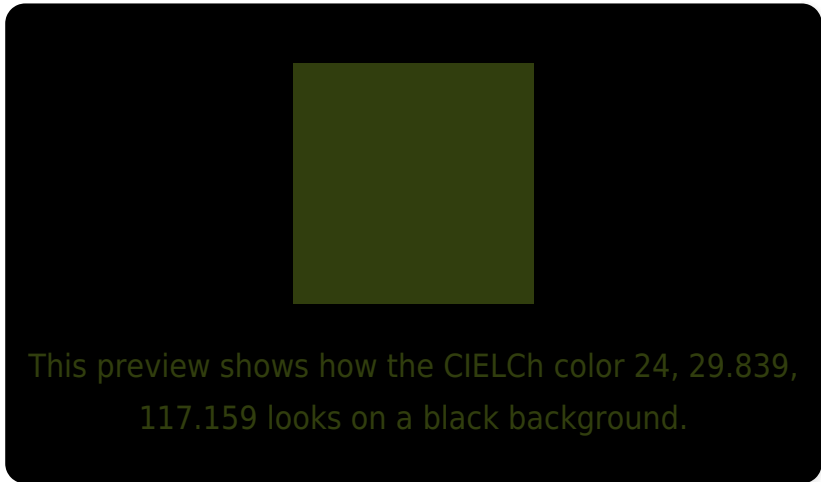
Large Text (above 18pt) WCAG AA ✓ Pass

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

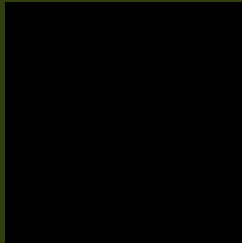
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 24, 29.839, 117.159

Background



This preview shows how black text looks on a background with the CIELCh color 24, 29.839, 117.159.



This preview shows how white text looks on a background with the CIELCh color 24, 29.839, 117.159.

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

24, 29.839, 117.159

Protanopia

24, 27.367, 96.187

Deuteranopia

24, 25.748, 82.292



Tritanopia
24, 3.141, 256.950

Trichromacy



Original Color
24, 29.839, 117.159

Protanomaly
24, 28.021, 105.210

Deuteranomaly
24, 25.889, 96.089

Tritanomaly
24, 10.428, 126.871

Monochromacy



Original Color
24, 29.839, 117.159

Achromatopsia
22, 0.004, 296.813

Achromatomaly
23, 12.129, 119.317

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 24, 29.839, 117.159 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(49, 62, 14)` looks like.

```
.text, #text, p{  
    color:rgb(49, 62, 14)  
}
```

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(49, 62, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 62, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 24, 29.839, 117.159 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(49, 62, 14) }
```

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

```
.border{ border-color:rgb(49, 62, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 62, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 62, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 62, 14);  
box-shadow:4px 4px 4px 4px rgb(49, 62, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 24, 29.839, 117.159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 62, 14) }
```

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

```
.background{ background-color: rgb(49, 62,  
14) }
```

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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