

Converting Colors

CIELCh(28, 23.128, 120.119)

Have a look what the booklet for
CIELCh(28, 23.128, 120.119)
contains.

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Color

CIELCh(28, 23.135, 119.428)

Conversions

Conversions Part 1

Format	Color
Hex	3B4622
RGB	59, 70, 34
RGB Percent	23%, 27%, 13%
CMY	0.7679, 0.7247, 0.8659
CMYK	0.16, 0.00, 0.51, 0.72
HSL	78°, 35%, 20%
HSV	78°, 51%, 28%
XYZ	4.3092, 5.4574, 2.3535
YIQ	62.6070, 5.0000, -13.5280

Conversions

Conversions Part 2

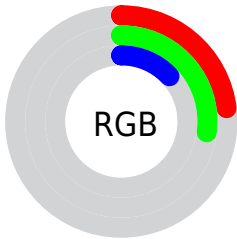
Format	Color
RYB	34, 70, 45
Decimal	3884578
CIELab	28.00, -11.37, 20.15
CIELCh	28, 23.135, 119.428
Yxy	5.4574, 0.3555, 0.4503
Android (android.graphics.Color)	4282074658 (0xFF3B4622)
YUV	62.6070, -14.1033, -3.1633
Hunter-Lab	23.3610, -7.9555, 10.3795

Details

The CIELCh color **28, 23.135, 119.428** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **16, 25.515, 305.359**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **48, 23.109, 119.245**, and **8, 15.822, 132.462** is the 20% darker color. If you saturate the color by 10%, you get **28, 27.261, 119.030**, and if you desaturate by 10%, it is **28, 18.801, 119.901**.

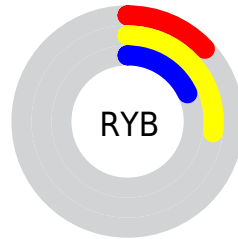
Distribution



Red (23%)

Green (27%)

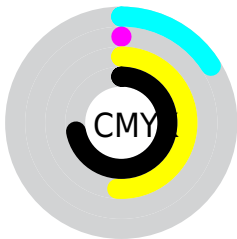
Blue (13%)



Red (13%)

Yellow (27%)

Blue (18%)

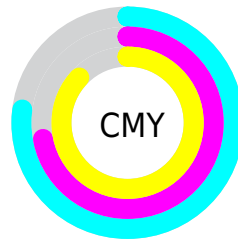


Cyan (16%)

Magenta (0%)

Yellow (51%)

Black (72%)



Cyan (77%)

Magenta (72%)

Yellow (87%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 28, 23.135, 119.428 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 28, 23.135, 119.428 by changing the saturation by 10% instead.

 28, 23.135,
119.428


 28, 23.135,
119.428

 100, 23.135,
119.428

 18, 23.135,
119.428


 48, 23.135,
119.428


 8, 23.135, 119.428

 58, 23.135,
119.428

 0, 23.135, 119.428

 68, 23.135,
119.428

 78, 23.135,
119.428

 88, 23.135,
119.428

 98, 23.135,

119.428

■ 28, 23.135,
119.428

■ 28, 23.135,
119.428

■ 28, 27.261,
119.030

■ 28, 18.801,
119.901

■ 27, 31.070,
118.750

■ 29, 14.334,
120.408

■ 27, 34.421,
118.654

■ 29, 9.787, 120.928

■ 29, 5.199, 121.446

■ 27, 37.315,
118.728

■ 30, 0.596, 121.983

■ 27, 39.913,
118.705

■ 30, 4.003, 302.419

■ 31, 8.583, 302.879

■ 31, 13.133,
303.310

■ 32, 17.646,
303.713

Harmonies

Complementary

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



28, 23.135, 119.428



16, 25.515, 305.359

Rectangle

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



28, 23.135, 119.428



28, 23.135, 169.428



28, 23.135, 299.428



28, 23.135, 349.428

Sweetspot

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



28, 23.136, 119.430



38, 8.617, 121.223



21, 15.453, 49.177



18, 5.793, 121.175



71, 0.009, 296.813



19, 0.004, 296.813

Same Dimension

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



28, 23.136, 119.430



36, 34.247, 118.924



27, 26.441, 136.196



14, 2.599, 121.584



38, 51.054, 119.295



83, 93.868, 120.337

Inverse Universe

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



16, 25.515, 305.359



19, 39.014, 306.433



19, 26.936, 320.771



13, 2.640, 302.447



10, 64.571, 308.961



31, 118.983, 308.278

Previews

White Background



This preview shows how the CIELCh color 28, 23.135, 119.428 looks on a white background.

Color Contrast Check

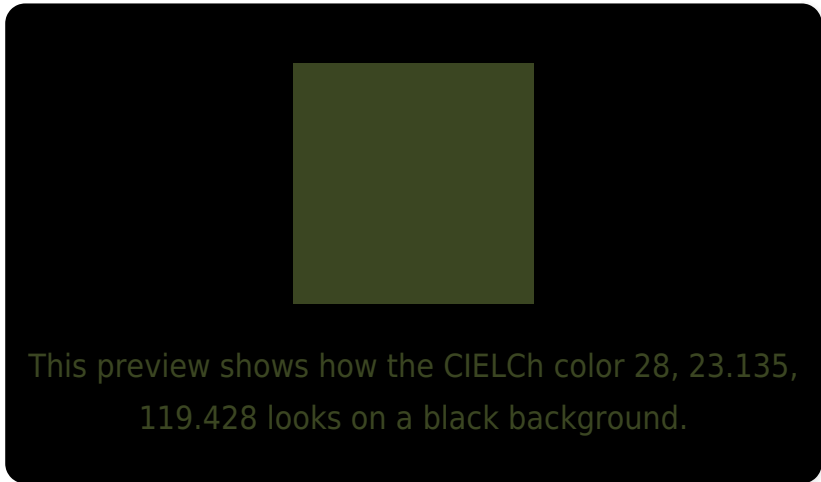
Large Text (above 18pt) WCAG AA ✓ Pass

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

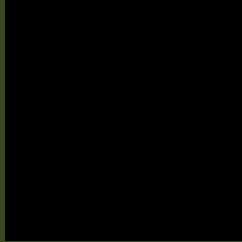
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 28, 23.135, 119.428

Background



This preview shows how black text looks on a background with the CIELCh color 28, 23.135, 119.428.



This preview shows how white text looks on a background with the CIELCh color 28, 23.135, 119.428.

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

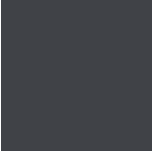
28, 23.135, 119.428

Protanopia

28, 21.157, 96.176

Deuteranopia

28, 19.837, 78.628



Tritanopia
28, 3.336, 275.885

Trichromacy



Original Color
28, 23.135, 119.428

Protanomaly
28, 21.915, 105.840

Deuteranomaly
28, 19.975, 95.888

Tritanomaly
28, 7.020, 131.936

Monochromacy



Original Color
28, 23.135, 119.428

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 8.601, 121.108

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 28, 23.135, 119.428 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, 70, 34)` looks like.

```
.text, #text, p{  
    color:rgb(59, 70, 34)  
}
```

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, 70, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 70, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 28, 23.135, 119.428 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, 70, 34) }
```

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

```
.border{ border-color:rgb(59, 70, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 70, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 70, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 70, 34);  
box-shadow:4px 4px 4px 4px rgb(59, 70, 34)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 28, 23.135, 119.428 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 70, 34) }
```

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

```
.background{ background-color: rgb(59, 70,  
34) }
```

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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