

Converting Colors

CIELCh(29, 31.944, 117.407)

Have a look what the booklet for
CIELCh(29, 31.944, 117.407)
contains.

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Color

CIELCh(29, 32.381, 117.758)

Conversions

Conversions Part 1

Format	Color
Hex	3B4A15
RGB	59, 74, 21
RGB Percent	23%, 29%, 8%
CMY	0.7697, 0.7108, 0.9186
CMYK	0.20, 0.00, 0.72, 0.71
HSL	77°, 56%, 19%
HSV	77°, 72%, 29%
XYZ	4.3526, 5.8380, 1.5945
YIQ	63.4730, 8.0730, -19.6630

Conversions

Conversions Part 2

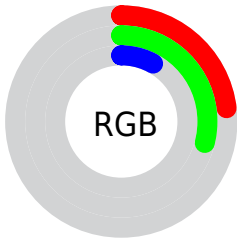
Format	Color
RYB	21, 74, 36
Decimal	3885589
CIELab	29.00, -15.08, 28.65
CIElCh	29, 32.381, 117.758
Yxy	5.8380, 0.3693, 0.4954
Android (android.graphics.Color)	4282075669 (0xFF3B4A15)
YUV	63.4730, -20.9392, -3.9228
Hunter-Lab	24.1619, -10.1281, 13.0006

Details

The CIELCh color **29, 32.381, 117.758** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **12, 37.862, 306.510**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 32.496, 117.962**, and **9, 19.131, 136.024** is the 20% darker color. If you saturate the color by 10%, you get **29, 35.777, 117.669**, and if you desaturate by 10%, it is **29, 28.484, 118.044**.

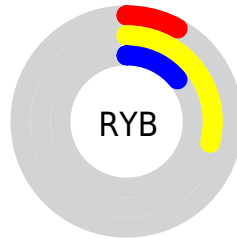
Distribution



Red (23%)

Green (29%)

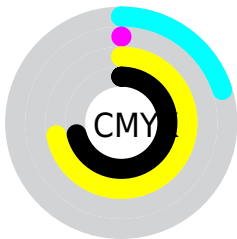
Blue (8%)



Red (8%)

Yellow (29%)

Blue (14%)

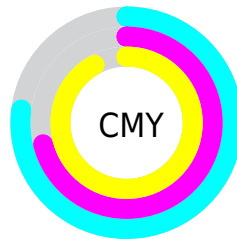


Cyan (20%)

Magenta (0%)

Yellow (72%)

Black (71%)



Cyan (77%)


Magenta (71%)


Yellow (92%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 32.381, 117.758 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 29, 32.381, 117.758 by changing the saturation by 10% instead.

 29, 32.381,
117.758


 29, 32.381,
117.758

 100, 32.381,
117.758


 19, 32.381,
117.758


 49, 32.381,
117.758


 9, 32.381, 117.758

 59, 32.381,
117.758

 0, 32.381, 117.758

 69, 32.381,
117.758

 79, 32.381,
117.758

 89, 32.381,
117.758

 99, 32.381,

117.758

■ 29, 32.381,
117.758

■ 29, 32.381,
117.758

■ 29, 35.777,
117.669

■ 29, 28.484,
118.044

■ 29, 38.659,
117.762

■ 30, 24.239,
118.454

■ 28, 41.152,
117.705

■ 30, 19.762,
118.940

■ 30, 15.139,
119.466

■ 30, 10.427,
120.007

■ 31, 5.667, 120.548

■ 31, 0.888, 121.094

■ 32, 3.890, 301.571

■ 32, 8.650, 302.055

Harmonies

Complementary

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



29, 32.381, 117.758



12, 37.862, 306.510

Rectangle

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



29, 32.381, 117.758



29, 32.381, 167.758



29, 32.381, 297.758



29, 32.381, 347.758

Sweetspot

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



29, 32.381, 117.760



40, 13.150, 119.953



19, 24.508, 46.048



19, 8.713, 119.892



72, 0.009, 296.813



20, 0.004, 296.813

Same Dimension

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



29, 32.381, 117.760



38, 45.708, 117.775



27, 36.932, 134.201



14, 2.590, 120.726



38, 50.741, 118.244



83, 93.227, 119.239

Inverse Universe

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



12, 37.862, 306.510



13, 56.103, 307.757



16, 37.914, 320.249



13, 2.632, 301.624



10, 64.821, 308.652



31, 119.428, 308.000

Previews

White Background



This preview shows how the CIELCh color 29, 32.381, 117.758 looks on a white background.

Color Contrast Check

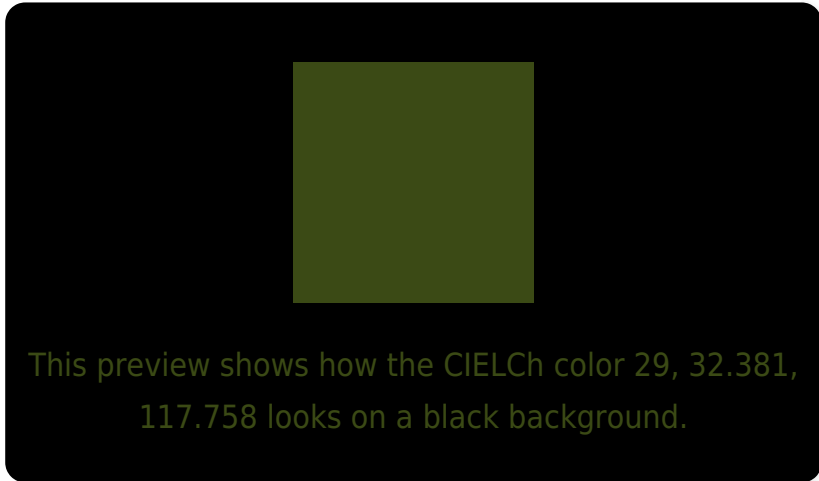
Large Text (above 18pt) WCAG AA ✓ Pass

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

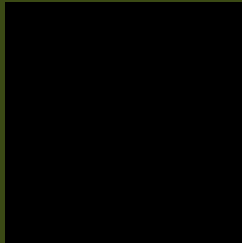
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 32.381, 117.758

Background



This preview shows how black text looks on a background with the CIELCh color 29, 32.381, 117.758.



This preview shows how white text looks on a background with the CIELCh color 29, 32.381, 117.758.

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

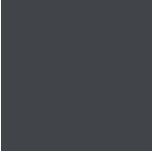
29, 32.381, 117.758

Protanopia

29, 29.940, 95.224

Deuteranopia

29, 27.821, 82.630



Tritanopia
29, 3.606, 262.701

Trichromacy



Original Color
29, 32.381, 117.758

Protanomaly
29, 29.971, 104.372

Deuteranomaly
29, 27.766, 97.155

Tritanomaly
29, 10.879, 128.158

Monochromacy



Original Color
29, 32.381, 117.758

Achromatopsia
27, 0.004, 296.813

Achromatomaly
27, 12.529, 120.981

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 32.381, 117.758 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, 74, 21)` looks like.

```
.text, #text, p{  
    color:rgb(59, 74, 21)  
}
```

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, 74, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 74, 21) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 32.381, 117.758 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, 74, 21) }
```

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

```
.border{ border-color:rgb(59, 74, 21) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 74, 21)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 74, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 74, 21);  
box-shadow:4px 4px 4px 4px rgb(59, 74, 21)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 32.381, 117.758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 74, 21) }
```

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

```
.background{ background-color: rgb(59, 74,  
21) }
```

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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