

Converting Colors

CIELCh(32, 38.255, 114.941)

Have a look what the booklet for
CIELCh(32, 38.255, 114.941)
contains.

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Color

CIELCh(32, 38.310, 114.939)

Conversions

Conversions Part 1

Format	Color
Hex	42510E
RGB	66, 81, 14
RGB Percent	26%, 32%, 5%
CMY	0.7410, 0.6821, 0.9448
CMYK	0.19, 0.00, 0.83, 0.68
HSL	73°, 70%, 19%
HSV	73°, 83%, 32%
XYZ	5.2768, 7.0852, 1.5072
YIQ	68.8770, 12.5670, -24.0170

Conversions

Conversions Part 2

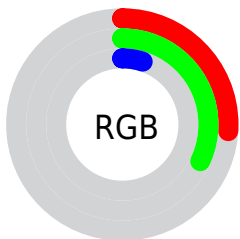
Format	Color
R_{YB}	14, 81, 29
Decimal	4346126
CIE _{Lab}	32.00, -16.15, 34.74
CIE _{LCh}	32, 38.310, 114.939
Yxy	7.0852, 0.3805, 0.5109
Android (android.graphics.Color)	4282536206 (0xFF42510E)
YUV	68.8770, -27.0544, -2.5231
Hunter-Lab	26.6180, -11.1949, 15.2755

Details


The CIELCh color **32, 38.310, 114.939** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10, 47.138, 306.269**, and the grayscale version is **29, 0.005, 296.813**.

A 20% lighter version of the original color is **52, 38.313, 114.911**, and **12, 22.837, 130.246** is the 20% darker color. If you saturate the color by 10%, you get **32, 41.142, 115.026**, and if you desaturate by 10%, it is **32, 34.841, 115.064**.

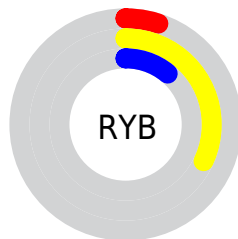
Distribution



 Red (26%)

 Green (32%)

 Blue (5%)




 Red (5%)

 Yellow (32%)

 Blue (11%)

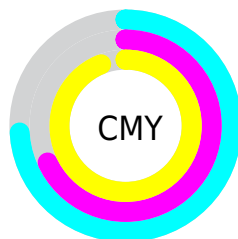



 Cyan (19%)

 Magenta (0%)

 Yellow (83%)

 Black (68%)



 Cyan (74%)


 Magenta (68%)


 Yellow (94%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 32, 38.310, 114.939 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 32, 38.310, 114.939 by changing the saturation by 10% instead.


 32, 38.310,
114.939


 32, 38.310,
114.939

 100, 38.310,
114.939


 22, 38.310,
114.939

 52, 38.310,
114.939


 12, 38.310,
114.939


 62, 38.310,
114.939

 2, 38.310, 114.939

 72, 38.310,
114.939

 0, 38.310, 114.939

 82, 38.310,
114.939

 92, 38.310,
114.939

■ 32, 38.310,
114.939

■ 32, 38.310,
114.939

■ 32, 41.142,
115.026

■ 32, 34.841,
115.064

■ 32, 43.333,
114.999

■ 32, 30.777,
115.386

■ 33, 26.300,
115.841

■ 33, 21.547,
116.379

■ 33, 16.617,
116.962

■ 34, 11.580,
117.564

■ 34, 6.481, 118.168

■ 34, 1.354, 118.766

Harmonies

Complementary

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



32, 38.310, 114.939



10, 47.138, 306.269

Rectangle

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



32, 38.310, 114.939



32, 38.310, 164.939



32, 38.310, 294.939



32, 38.310, 344.939

Sweetspot

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



32, 38.310, 114.941



43, 15.756, 117.370



19, 32.062, 42.491



22, 10.828, 117.248



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



32, 38.310, 114.941



41, 51.505, 115.362



30, 43.746, 132.671



16, 2.880, 118.403



41, 51.795, 115.382



86, 93.233, 116.175

Inverse Universe

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



10, 47.138, 306.269



11, 67.216, 307.772



15, 45.473, 318.762



15, 2.931, 299.445



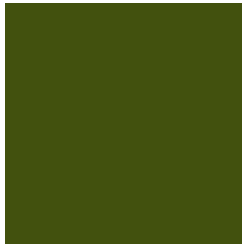
11, 67.826, 307.886



31, 122.531, 307.368

Previews

White Background



This preview shows how the CIELCh color 32, 38.310, 114.939 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



This preview shows how the CIE LCh color 32, 38.310, 114.939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

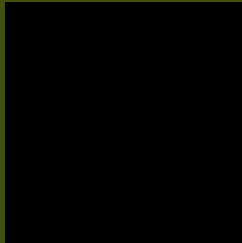
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 32, 38.310, 114.939

Background



This preview shows how black text looks on a background with the CIELCh color 32, 38.310, 114.939.



This preview shows how white text looks on a background with the CIELCh color 32, 38.310, 114.939.

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

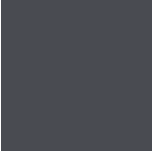
32, 38.310, 114.939

Protanopia

32, 35.730, 95.245

Deuteranopia

32, 33.344, 82.071



Tritanopia
32, 3.881, 278.364

Trichromacy



Original Color
32, 38.310, 114.939

Protanomaly
32, 36.142, 102.815

Deuteranomaly
32, 33.625, 96.019

Tritanomaly
32, 12.973, 122.410

Monochromacy



Original Color
32, 38.310, 114.939

Achromatopsia
29, 0.005, 296.813

Achromatomaly
30, 15.311, 116.329

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 32, 38.310, 114.939 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(66, 81, 14)` looks like.

```
.text, #text, p{  
    color:rgb(66, 81, 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(66, 81, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 81, 14) }
```

Border

The CSS property to change the border of an element to CIELCh 32, 38.310, 114.939 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(66, 81, 14) }
```

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

```
.border{ border-color:rgb(66, 81, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 81, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 81, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 81, 14);  
box-shadow:4px 4px 4px 4px rgb(66, 81, 14)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 32, 38.310, 114.939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 81, 14) }
```

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

```
.background{ background-color: rgb(66, 81,  
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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