

Converting Colors

CIELCh(29, 38.805, 136.669)

Have a look what the booklet for
CIELCh(29, 38.805, 136.669)
contains.

CIELCh(29, 38.525, 136.601)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(29, 38.525, 136.601)

Conversions

Conversions Part 1

Format	Color
Hex	1F4E18
RGB	31, 78, 24
RGB Percent	12%, 31%, 9%
CMY	0.8776, 0.6933, 0.9052
CMYK	0.60, 0.00, 0.69, 0.69
HSL	112°, 53%, 20%
HSV	112°, 69%, 31%
XYZ	3.4765, 5.8380, 1.8178
YIQ	57.7910, -10.6780, -26.7580

Conversions

Conversions Part 2

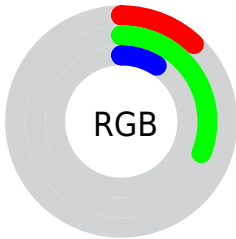
Format	Color
R_{YB}	24, 78, 71
Decimal	2051608
CIE _{Lab}	29.00, -27.99, 26.47
CIE _{LCh}	29, 38.525, 136.601
Yxy	5.8380, 0.3123, 0.5244
Android (android.graphics.Color)	4280241688 (0xFF1F4E18)
YUV	57.7910, -16.6590, -23.4957
Hunter-Lab	24.1619, -16.6000, 12.4526

Details

The CIELCh color **29, 38.525, 136.601** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **18, 38.753, 323.447**, and the grayscale version is **24, 0.004, 296.813**.

A 20% lighter version of the original color is **49, 38.559, 136.608**, and **10, 25.067, 143.948** is the 20% darker color. If you saturate the color by 10%, you get **29, 42.818, 135.967**, and if you desaturate by 10%, it is **29, 33.624, 137.318**.

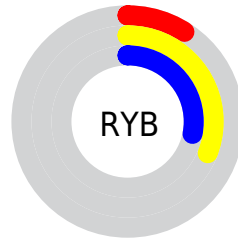
Distribution



Red (12%)

Green (31%)

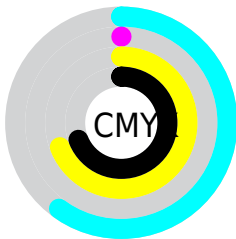
Blue (9%)



Red (9%)

Yellow (31%)

Blue (28%)

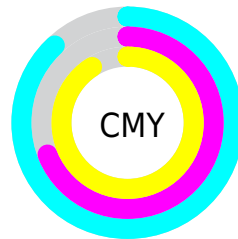


Cyan (60%)

Magenta (0%)

Yellow (69%)

Black (69%)



Cyan (88%)


Magenta (69%)


Yellow (91%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 29, 38.525, 136.601 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, 38.525, 136.601 by changing the saturation by 10% instead.

 29, 38.525,
136.601


 29, 38.525,
136.601

 100, 38.525,
136.601


 19, 38.525,
136.601


 49, 38.525,
136.601


 9, 38.525, 136.601

 59, 38.525,
136.601

 0, 38.525, 136.601

 69, 38.525,
136.601

 79, 38.525,
136.601

 89, 38.525,
136.601

 99, 38.525,

136.601

■ 29, 38.525,
136.601

■ 29, 38.525,
136.601

■ 29, 42.818,
135.967

■ 29, 33.624,
137.318

■ 28, 46.317,
135.494

■ 30, 28.298,
138.047

■ 28, 49.577,
134.685

■ 30, 22.693,
138.743

■ 28, 49.882,
134.584

■ 31, 16.927,
139.384

■ 32, 11.090,
139.961

■ 33, 5.251, 140.479

■ 33, 0.539, 320.685

■ 34, 6.244, 321.265

■ 35, 11.836,
321.607

Harmonies

Complementary

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



29, 38.525, 136.601



18, 38.753, 323.447

Rectangle

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



29, 38.525, 136.601



29, 38.525, 186.601



29, 38.525, 316.601



29, 38.525, 6.601

Sweetspot

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



29, 38.525, 136.602



41, 15.225, 139.811



30, 28.655, 97.215



20, 10.178, 139.735



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



29, 38.525, 136.602



37, 54.489, 135.622



29, 30.654, 150.367



15, 3.171, 140.501



37, 60.211, 134.908



80, 109.726, 135.432

Inverse Universe

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



18, 38.753, 323.447



22, 54.331, 323.624



18, 30.896, 342.984



14, 3.183, 321.204



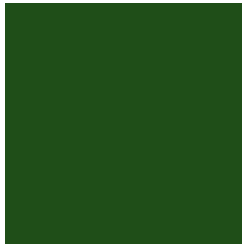
20, 59.508, 323.493



49, 107.793, 323.164

Previews

White Background



This preview shows how the CIELCh color 29, 38.525, 136.601 looks on a white background.

Color Contrast Check

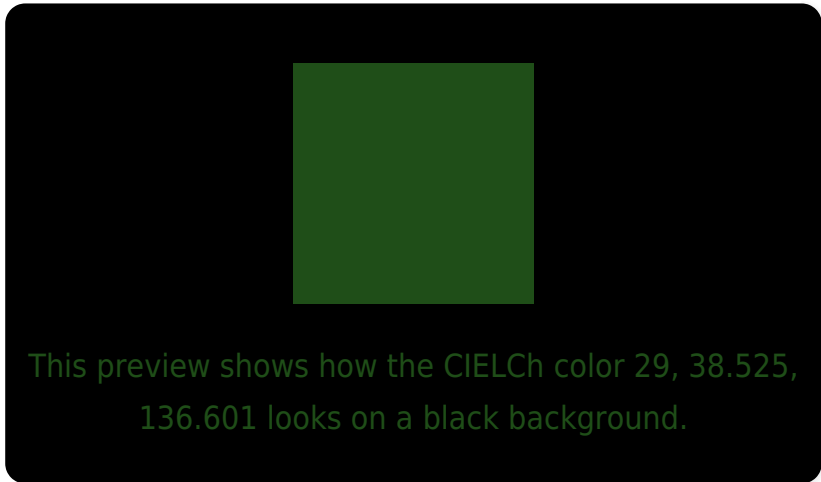
Large Text (above 18pt) WCAG AA ✓ Pass

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

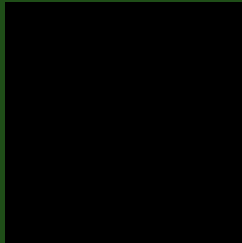
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 29, 38.525, 136.601

Background



This preview shows how black text looks on a background with the CIELCh color 29, 38.525, 136.601.



This preview shows how white text looks on a background with the CIELCh color 29, 38.525, 136.601.

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, 38.525, 136.601

Protanopia
29, 28.364, 96.126

Deuteranopia
29, 25.199, 80.966



Tritanopia
29, 11.727, 217.249

Trichromacy



Original Color
29, 38.525, 136.601

Protanomaly
29, 30.135, 116.174

Deuteranomaly
28, 26.496, 110.582

Tritanomaly
29, 18.221, 162.301

Monochromacy



Original Color
29, 38.525, 136.601

Achromatopsia
24, 0.004, 296.813

Achromatomaly
26, 14.708, 140.083

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 29, 38.525, 136.601 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(31, 78, 24)` looks like.

```
.text, #text, p{  
    color:rgb(31, 78, 24)  
}
```

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(31, 78, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 78, 24) }
```

Border

The CSS property to change the border of an element to CIELCh 29, 38.525, 136.601 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(31, 78, 24) }
```

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

```
.border{ border-color:rgb(31, 78, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 78, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 78, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 78, 24);  
box-shadow:4px 4px 4px 4px rgb(31, 78, 24)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 29, 38.525, 136.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 78, 24) }
```

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

```
.background{ background-color: rgb(31, 78,  
24) }
```

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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