

Converting Colors

CIELCh(30, 29.550, 136.598)

Have a look what the booklet for
CIELCh(30, 29.550, 136.598)
contains.

CIELCh(30, 29.724, 136.845)	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(30, 29.724, 136.845)

Conversions

Conversions Part 1

Format	Color
Hex	2D4F26
RGB	45, 79, 38
RGB Percent	18%, 31%, 15%
CMY	0.8247, 0.6914, 0.8521
CMYK	0.43, 0.00, 0.52, 0.69
HSL	110°, 35%, 23%
HSV	110°, 52%, 31%
XYZ	4.1874, 6.2359, 2.7924
YIQ	64.1600, -7.1030, -19.9590

Conversions

Conversions Part 2

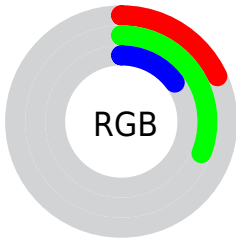
Format	Color
RYB	38, 79, 72
Decimal	2969382
CIELab	30.00, -21.68, 20.33
CIElCh	30, 29.724, 136.845
Yxy	6.2359, 0.3168, 0.4719
Android (android.graphics.Color)	4281159462 (0xFF2D4F26)
YUV	64.1600, -12.8969, -16.8033
Hunter-Lab	24.9718, -13.7690, 10.8503

Details

The CIELCh color **30, 29.724, 136.845** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **21, 30.165, 321.743**, and the grayscale version is **27, 0.004, 296.813**.

A 20% lighter version of the original color is **50, 29.314, 136.909**, and **10, 25.067, 143.948** is the 20% darker color. If you saturate the color by 10%, you get **30, 34.928, 136.186**, and if you desaturate by 10%, it is **31, 24.218, 137.498**.

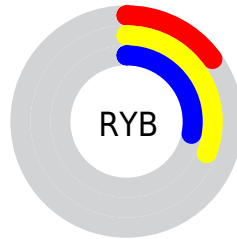
Distribution



Red (18%)

Green (31%)

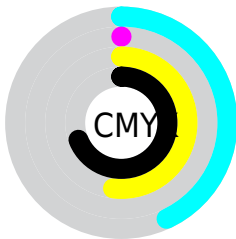
Blue (15%)



Red (15%)

Yellow (31%)

Blue (28%)

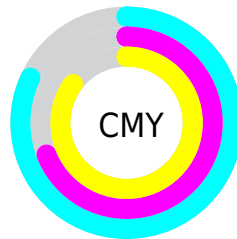


Cyan (43%)

Magenta (0%)

Yellow (52%)

Black (69%)



Cyan (82%)


Magenta (69%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 30, 29.724, 136.845 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 30, 29.724, 136.845 by changing the saturation by 10% instead.


 30, 29.724,
136.845

 30, 29.724,
136.845

 100, 29.724,
136.845


 20, 29.724,
136.845


 50, 29.724,
136.845


 10, 29.724,
136.845

 60, 29.724,
136.845

 0, 29.724, 136.845

 70, 29.724,
136.845

 80, 29.724,
136.845

 90, 29.724,
136.845

■ 30, 29.724,
136.845

■ 30, 29.724,
136.845

■ 30, 34.928,
136.186

■ 31, 24.218,
137.498

■ 29, 39.672,
135.573

■ 31, 18.528,
138.112

■ 29, 43.769,
135.085

■ 32, 12.748,
138.674

■ 29, 47.138,
134.718

■ 33, 6.949, 139.181

■ 28, 49.788,
134.098

■ 33, 1.183, 139.700

■ 34, 4.512, 319.968

■ 35, 10.108,
320.317

■ 36, 15.586,
320.611

■ 37, 20.935,
320.864

Harmonies

Complementary

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



30, 29.724, 136.845



21, 30.165, 321.743

Rectangle

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



30, 29.724, 136.845



30, 29.724, 186.845



30, 29.724, 316.845



30, 29.724, 6.845

Sweetspot

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



30, 29.725, 136.846



42, 11.436, 138.960



30, 21.276, 95.875



20, 7.626, 138.910



73, 0.009, 296.813



21, 0.004, 296.813

Same Dimension

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



30, 29.725, 136.846



38, 43.065, 136.048



30, 24.893, 150.567



15, 3.132, 139.347



37, 59.862, 134.465



80, 109.226, 135.092

Inverse Universe

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



21, 30.165, 321.743



26, 43.683, 322.084



22, 25.181, 338.698



14, 3.146, 320.020



20, 59.776, 322.092



48, 108.337, 321.674

Previews

White Background



This preview shows how the CIELCh color 30, 29.724, 136.845 looks on a white background.

Color Contrast Check

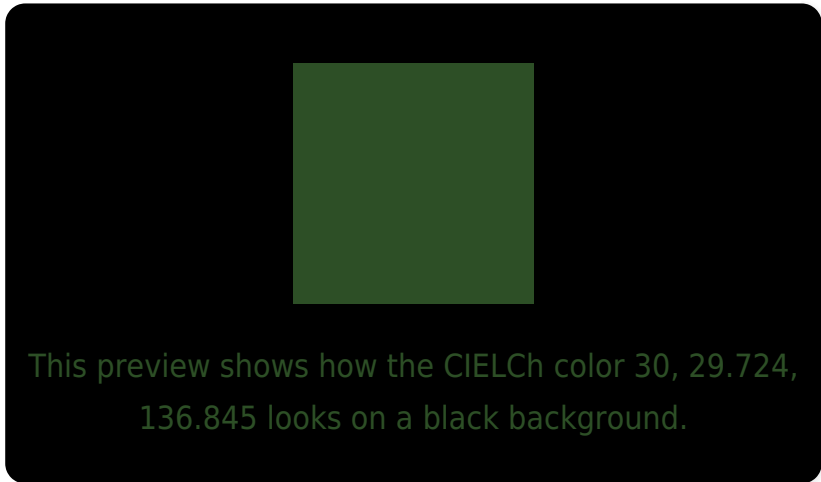
Large Text (above 18pt) WCAG AA ✓ Pass

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 30, 29.724, 136.845

Background



This preview shows how black text looks on a background with the CIELCh color 30, 29.724, 136.845.



This preview shows how white text looks on a background with the CIELCh color 30, 29.724, 136.845.

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

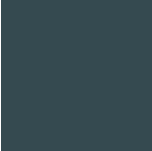
30, 29.724, 136.845

Protanopia

30, 22.709, 96.841

Deuteranopia

30, 19.345, 76.945



Tritanopia
30, 8.955, 223.898

Trichromacy



Original Color
30, 29.724, 136.845

Protanomaly
30, 23.800, 115.361

Deuteranomaly
29, 19.433, 106.443

Tritanomaly
30, 13.140, 165.026

Monochromacy



Original Color
30, 29.724, 136.845

Achromatopsia
27, 0.004, 296.813

Achromatomaly
28, 11.150, 137.868

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 30, 29.724, 136.845 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(45, 79, 38)` looks like.

```
.text, #text, p{  
    color:rgb(45, 79, 38)  
}
```

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(45, 79, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 79, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 30, 29.724, 136.845 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(45, 79, 38) }
```

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

```
.border{ border-color:rgb(45, 79, 38) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 79, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 79, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 79, 38);  
box-shadow:4px 4px 4px 4px rgb(45, 79, 38)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 30, 29.724, 136.845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 79, 38) }
```

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

```
.background{ background-color: rgb(45, 79,  
38) }
```

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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