

Converting Colors

CIELCh(31, 43.601, 128.676)

Have a look what the booklet for
CIELCh(31, 43.601, 128.676)
contains.

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Color

CIELCh(31, 43.865, 128.941)

Conversions

Conversions Part 1

Format	Color
Hex	2A530C
RGB	42, 83, 12
RGB Percent	16%, 33%, 5%
CMY	0.8365, 0.6757, 0.9543
CMYK	0.50, 0.00, 0.86, 0.68
HSL	95°, 75%, 18%
HSV	95°, 86%, 32%
XYZ	4.0763, 6.6515, 1.4056
YIQ	62.6470, -1.6450, -30.7730

Conversions

Conversions Part 2

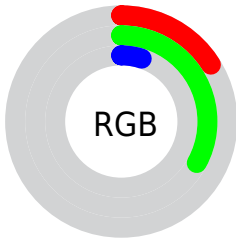
Format	Color
R_{YB}	12, 83, 53
Decimal	2773772
CIE Lab	31.00, -27.57, 34.12
CIE LCh	31, 43.865, 128.941
Yxy	6.6515, 0.3360, 0.5482
Android (android.graphics.Color)	4280963852 (0xFF2A530C)
YUV	62.6470, -24.9690, -18.1074
Hunter-Lab	25.7905, -16.9209, 14.8221

Details

The CIELCh color **31, 43.865, 128.941** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **13, 47.890, 314.642**, and the grayscale version is **26, 0.004, 296.813**.

A 20% lighter version of the original color is **51, 43.782, 129.058**, and **12, 28.494, 142.987** is the 20% darker color. If you saturate the color by 10%, you get **31, 47.177, 129.094**, and if you desaturate by 10%, it is **31, 40.076, 128.868**.

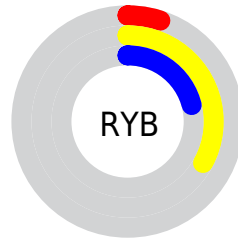
Distribution



Red (16%)

Green (33%)

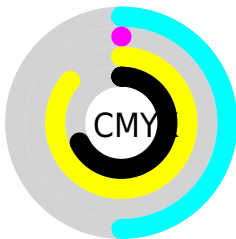
Blue (5%)



Red (5%)

Yellow (33%)

Blue (21%)

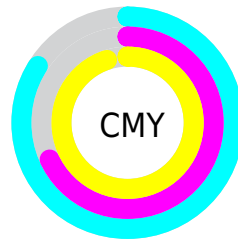


Cyan (50%)

Magenta (0%)

Yellow (86%)

Black (68%)



Cyan (84%)


Magenta (68%)


Yellow (95%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 31, 43.865, 128.941 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 31, 43.865, 128.941 by changing the saturation by 10% instead.


 31, 43.865,
128.941


 31, 43.865,
128.941

 100, 43.865,
128.941


 21, 43.865,
128.941

 51, 43.865,
128.941


 11, 43.865,
128.941


 61, 43.865,
128.941

 1, 43.865, 128.941

 71, 43.865,
128.941

 0, 43.865, 128.941

 81, 43.865,
128.941

 91, 43.865,
128.941

■ 31, 43.865,
128.941

■ 31, 43.865,
128.941

■ 31, 47.177,
129.094

■ 31, 40.076,
128.868

■ 31, 48.603,
129.033

■ 32, 35.623,
129.040

■ 32, 30.698,
129.367

■ 33, 25.460,
129.776

■ 33, 20.026,
130.220

■ 34, 14.482,
130.668

■ 34, 8.890, 131.102

■ 35, 3.294, 131.520

Harmonies

Complementary

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



31, 43.865, 128.941



13, 47.890, 314.642

Rectangle

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



31, 43.865, 128.941



31, 43.865, 178.941



31, 43.865, 308.941



31, 43.865, 358.941

Sweetspot

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



31, 43.865, 128.942



43, 17.987, 130.625



25, 31.095, 71.182



21, 12.048, 130.543



74, 0.009, 296.813



22, 0.004, 296.813

Same Dimension

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



31, 43.865, 128.942



40, 58.515, 129.577



30, 46.887, 138.541



16, 3.081, 131.403



39, 57.500, 129.531



82, 104.299, 130.596

Inverse Universe

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



13, 47.890, 314.642



16, 64.540, 314.350



18, 45.090, 330.356



15, 3.113, 312.039



15, 63.436, 314.381



39, 114.432, 313.635

Previews

White Background



This preview shows how the CIELCh color 31, 43.865, 128.941 looks on a white background.

Color Contrast Check

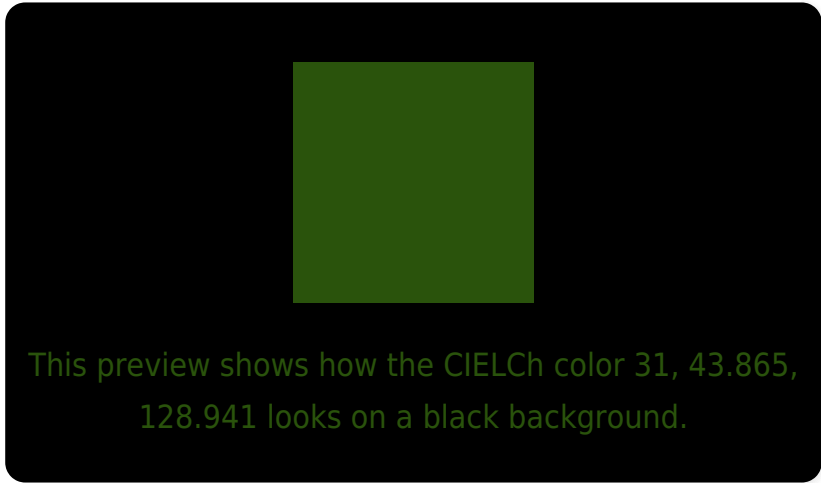
Large Text (above 18pt) WCAG AA ✓ Pass

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

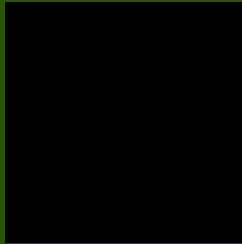
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 31, 43.865, 128.941

Background



This preview shows how black text looks on a background with the CIELCh color 31, 43.865, 128.941.



This preview shows how white text looks on a background with the CIELCh color 31, 43.865, 128.941.

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

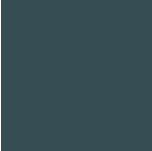
31, 43.865, 128.941

Protanopia

31, 36.218, 95.929

Deuteranopia

31, 32.029, 83.126



Tritanopia
31, 9.882, 221.098

Trichromacy



Original Color
31, 43.865, 128.941

Protanomaly
31, 37.577, 111.274

Deuteranomaly
30, 33.219, 104.883

Tritanomaly
31, 19.163, 150.154

Monochromacy



Original Color
31, 43.865, 128.941

Achromatopsia
26, 0.004, 296.813

Achromatomaly
28, 18.027, 130.197

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 31, 43.865, 128.941 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(42, 83, 12)` looks like.

```
.text, #text, p{  
    color:rgb(42, 83, 12)  
}
```

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(42, 83, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 83, 12) }
```

Border

The CSS property to change the border of an element to CIELCh 31, 43.865, 128.941 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(42, 83, 12) }
```

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

```
.border{ border-color:rgb(42, 83, 12) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 83, 12)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 83, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 83, 12);  
box-shadow:4px 4px 4px 4px rgb(42, 83, 12)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 31, 43.865, 128.941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 83, 12) }
```

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

```
.background{ background-color: rgb(42, 83,  
12) }
```

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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