

Converting Colors

CIELCh(42, 31.295, 132.621)

Have a look what the booklet for
CIELCh(42, 31.295, 132.621)
contains.

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Color

CIELCh(42, 31.532, 132.631)

Conversions

Conversions Part 1

Format	Color
Hex	4C6C3C
RGB	76, 108, 60
RGB Percent	30%, 42%, 24%
CMY	0.7032, 0.5778, 0.7659
CMYK	0.30, 0.00, 0.45, 0.58
HSL	100°, 29%, 33%
HSV	100°, 45%, 42%
XYZ	9.0888, 12.5000, 6.1655
YIQ	92.9600, -3.6640, -21.7120

Conversions

Conversions Part 2

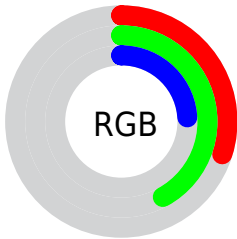
Format	Color
R_{YB}	60, 108, 92
Decimal	5008444
CIE _{Lab}	42.00, -21.36, 23.20
CIE _{LCh}	42, 31.532, 132.631
Yxy	12.5000, 0.3275, 0.4504
Android (android.graphics.Color)	4283198524 (0xFF4C6C3C)
YUV	92.9600, -16.2493, -14.8739
Hunter-Lab	35.3553, -15.9846, 14.4093

Details

The CIELCh color **42, 31.532, 132.631** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **31, 32.681, 316.476**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 31.875, 132.766**, and **22, 31.250, 132.678** is the 20% darker color. If you saturate the color by 10%, you get **41, 38.213, 132.147**, and if you desaturate by 10%, it is **43, 24.588, 133.136**.

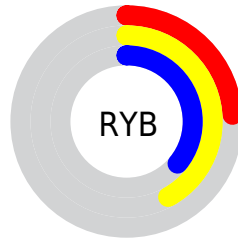
Distribution



Red (30%)

Green (42%)

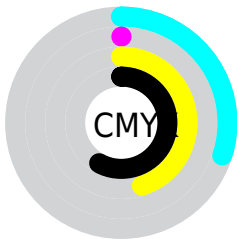
Blue (24%)



Red (24%)

Yellow (42%)

Blue (36%)

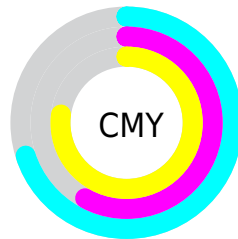


Cyan (30%)

Magenta (0%)

Yellow (45%)

Black (58%)



Cyan (70%)


Magenta (58%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 31.532, 132.631 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 42, 31.532, 132.631 by changing the saturation by 10% instead.


 42, 31.532,
132.631


 42, 31.532,
132.631


 100, 31.532,
132.631


 32, 31.532,
132.631

 62, 31.532,
132.631


 22, 31.532,
132.631

 72, 31.532,
132.631

 12, 31.532,
132.631

 82, 31.532,
132.631

 2, 31.532, 132.631

 92, 31.532,
132.631

 0, 31.532, 132.631

 42, 31.532,

 42, 31.532,

132.631

■ 41, 38.213,
132.147

■ 41, 44.462,
131.733

■ 40, 50.058,
131.471

■ 40, 54.733,
131.463

■ 40, 58.332,
131.752

■ 40, 60.195,
131.808

132.631

■ 43, 24.588,
133.136

■ 43, 17.501,
133.627

■ 44, 10.360,
134.090

■ 45, 3.229, 134.532

■ 46, 3.844, 314.847

■ 47, 10.827,
315.200

■ 48, 17.695,
315.499

■ 49, 24.433,
315.760

■ 50, 31.032,
315.987

Harmonies

Complementary

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



42, 31.532, 132.631



31, 32.681, 316.476

Rectangle

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



42, 31.532, 132.631



42, 31.532, 182.631



42, 31.532, 312.631



42, 31.532, 2.631

Sweetspot

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



42, 31.533, 132.632



57, 11.486, 134.143



40, 20.867, 85.618



29, 8.104, 134.065



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 31.533, 132.632



53, 46.121, 132.152



41, 31.107, 145.923



22, 3.972, 134.336



43, 64.081, 131.946



85, 111.316, 132.743

Inverse Universe

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



31, 32.681, 316.476



37, 48.148, 316.829



32, 31.114, 332.037



21, 4.006, 315.008



20, 67.726, 316.735



45, 116.969, 316.161

Previews

White Background



This preview shows how the CIELCh color 42, 31.532, 132.631 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 × Fail

Black Background



This preview shows how the CIELCh color 42, 31.532, 132.631 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 42, 31.532, 132.631

Background



This preview shows how black text looks on a background with the CIELCh color 42, 31.532, 132.631.



This preview shows how white text looks on a background with the CIELCh color 42, 31.532, 132.631.

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

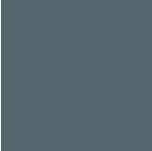
42, 31.532, 132.631

Protanopia

42, 25.812, 96.723

Deuteranopia

42, 22.357, 75.085



Tritanopia
42, 8.286, 234.612

Trichromacy



Original Color
42, 31.532, 132.631

Protanomaly
42, 26.594, 112.256

Deuteranomaly
41, 22.081, 101.952

Tritanomaly
42, 11.965, 160.706

Monochromacy



Original Color
42, 31.532, 132.631

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 11.366, 133.336

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 31.532, 132.631 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(76, 108, 60)` looks like.

```
.text, #text, p{  
    color:rgb(76, 108, 60)  
}
```

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(76, 108, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 108, 60) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 31.532, 132.631 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(76, 108, 60) }
```

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

```
.border{ border-color:rgb(76, 108, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 108, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 108, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 108, 60);  
box-shadow:4px 4px 4px 4px rgb(76, 108,  
60) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 31.532, 132.631 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 108, 60) }
```

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

```
.background{ background-color: rgb(76, 108,  
60) }
```

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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