

Converting Colors

CIELCh(42, 29.985, 137.497)

Have a look what the booklet for
CIELCh(42, 29.985, 137.497)
contains.

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Color

CIELCh(42, 29.853, 137.731)

Conversions

Conversions Part 1

Format	Color
Hex	486C41
RGB	72, 108, 65
RGB Percent	28%, 42%, 25%
CMY	0.7174, 0.5762, 0.7449
CMYK	0.33, 0.00, 0.40, 0.58
HSL	110°, 25%, 34%
HSV	110°, 40%, 42%
XYZ	9.0014, 12.5000, 6.9478
YIQ	92.3340, -7.6530, -21.0050

Conversions

Conversions Part 2

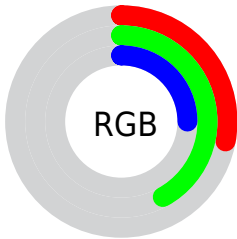
Format	Color
R_{YB}	65, 108, 101
Decimal	4746305
CIE _{Lab}	42.00, -22.09, 20.08
CIE _{LCh}	42, 29.853, 137.731
Yxy	12.5000, 0.3164, 0.4394
Android (android.graphics.Color)	4282936385 (0xFF486C41)
YUV	92.3340, -13.4757, -17.8329
Hunter-Lab	35.3553, -16.4258, 13.0975

Details

The CIELCh color $42, 29.853, 137.731$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $33, 30.227, 321.600$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $62, 30.222, 137.542$, and $22, 29.731, 137.683$ is the 20% darker color. If you saturate the color by 10%, you get $41, 37.035, 137.042$, and if you desaturate by 10%, it is $43, 22.430, 138.377$.

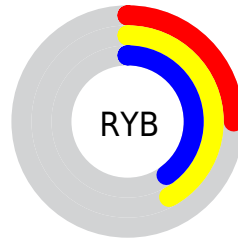
Distribution



 Red (28%)

 Green (42%)

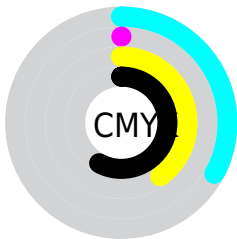
 Blue (25%)




 Red (25%)

 Yellow (42%)

 Blue (40%)

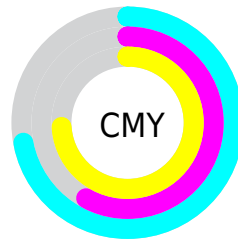


 Cyan (33%)


 Magenta (0%)

 Yellow (40%)

 Black (58%)



 Cyan (72%)


 Magenta (58%)


 Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 29.853, 137.731 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, 29.853, 137.731 by changing the saturation by 10% instead.


 42, 29.853,
137.731


 42, 29.853,
137.731


 100, 29.853,
137.731


 32, 29.853,
137.731

 62, 29.853,
137.731


 22, 29.853,
137.731

 72, 29.853,
137.731

 12, 29.853,
137.731

 82, 29.853,
137.731

 2, 29.853, 137.731

 92, 29.853,
137.731

 0, 29.853, 137.731

 42, 29.853,

 42, 29.853,

137.731

137.731

■ 41, 37.035,
137.042

■ 43, 22.430,
138.377

■ 41, 43.803,
136.341

■ 44, 14.892,
138.962

■ 40, 49.937,
135.689

■ 45, 7.339, 139.488

■ 40, 55.167,
135.178

■ 46, 0.157, 319.032

■ 47, 7.545, 320.293

■ 40, 59.204,
134.919

■ 48, 14.789,
320.639

■ 39, 62.413,
134.631

■ 49, 21.866,
320.933

■ 39, 62.477,
134.620

■ 51, 28.763,
321.183

■ 52, 35.471,

Harmonies

Complementary

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



42, 29.853, 137.731



33, 30.227, 321.600

Rectangle

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



42, 29.853, 137.731



42, 29.853, 187.731



42, 29.853, 317.731



42, 29.853, 7.731

Sweetspot

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



42, 29.854, 137.732



57, 11.149, 139.359



43, 21.543, 98.049



29, 7.456, 139.313



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, 29.854, 137.732



53, 44.239, 137.077



42, 24.658, 152.373



22, 4.176, 139.530



43, 66.306, 134.706



85, 114.832, 135.190

Inverse Universe

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



33, 30.227, 321.600



40, 44.848, 321.953



34, 25.032, 338.589



21, 4.195, 320.274



23, 65.964, 322.261



51, 113.643, 321.927

Previews

White Background



This preview shows how the CIELCh color 42, 29.853, 137.731 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, 29.853, 137.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

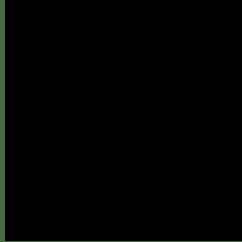
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 42, 29.853, 137.731

Background



This preview shows how black text looks on a background with the CIELCh color 42, 29.853, 137.731.



This preview shows how white text looks on a background with the CIELCh color 42, 29.853, 137.731.

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, 29.853, 137.731

Protanopia

42, 22.999, 96.093

Deuteranopia

42, 19.696, 74.381



Tritanopia
42, 9.767, 228.357

Trichromacy



Original Color
42, 29.853, 137.731

Protanomaly
42, 23.856, 114.408

Deuteranomaly
42, 19.655, 105.856

Tritanomaly
42, 13.160, 167.469

Monochromacy



Original Color
42, 29.853, 137.731

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 11.232, 138.453

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 29.853, 137.731 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(72, 108, 65)` looks like.

```
.text, #text, p{  
    color:rgb(72, 108, 65)  
}
```

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(72, 108, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 108, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 29.853, 137.731 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(72, 108, 65) }
```

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

```
.border{ border-color:rgb(72, 108, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 108, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 108, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 108, 65);  
box-shadow:4px 4px 4px 4px rgb(72, 108,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 29.853, 137.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 108, 65) }
```

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

```
.background{ background-color: rgb(72, 108,  
65) }
```

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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