

Converting Colors

CIELCh(41, 28.543, 138.326)

Have a look what the booklet for
CIELCh(41, 28.543, 138.326)
contains.

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Color

CIELCh(41, 28.269, 138.833)

Conversions

Conversions Part 1

Format	Color
Hex	466941
RGB	70, 105, 65
RGB Percent	27%, 41%, 25%
CMY	0.7243, 0.5870, 0.7440
CMYK	0.33, 0.00, 0.38, 0.59
HSL	112°, 23%, 33%
HSV	112°, 38%, 41%
XYZ	8.5931, 11.8645, 6.8820
YIQ	89.9750, -8.0200, -19.8600

Conversions

Conversions Part 2

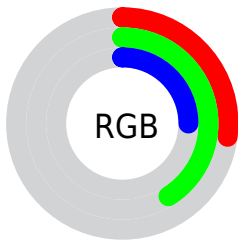
Format	Color
RYB	65, 105, 100
Decimal	4614465
CIELab	41.00, -21.28, 18.61
CIELCh	41, 28.269, 138.833
Yxy	11.8645, 0.3143, 0.4340
Android (android.graphics.Color)	4282804545 (0xFF466941)
YUV	89.9750, -12.3127, -17.5181
Hunter-Lab	34.4449, -15.7477, 12.2654

Details


The CIELCh color $[41, 28.269, 138.833]$ is a dark color, and the websafe version is hex $\#336633$. A complement of this color would be $[33, 28.513, 322.664]$, and the grayscale version is $[38, 0.005, 296.813]$.

A 20% lighter version of the original color is $[61, 28.037, 138.452]$, and $[21, 28.154, 138.841]$ is the 20% darker color. If you saturate the color by 10%, you get $[40, 35.428, 138.099]$, and if you desaturate by 10%, it is $[42, 20.889, 139.508]$.

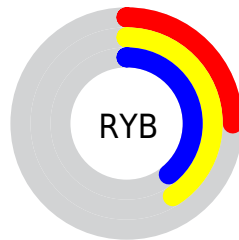
Distribution



 Red (27%)

 Green (41%)

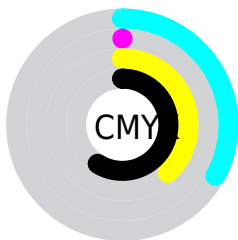
 Blue (25%)





 Red (25%)

 Yellow (41%)

 Blue (39%)

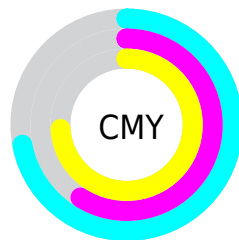



 Cyan (33%)

 Magenta (0%)

 Yellow (38%)

 Black (59%)



 Cyan (72%)

 Magenta (59%)


 Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 28.269, 138.833 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 41, 28.269, 138.833 by changing the saturation by 10% instead.


 41, 28.269,
138.833


 41, 28.269,
138.833


 100, 28.269,
138.833


 31, 28.269,
138.833

 61, 28.269,
138.833


 21, 28.269,
138.833

 71, 28.269,
138.833

 11, 28.269,
138.833

 81, 28.269,
138.833

 1, 28.269, 138.833

 91, 28.269,
138.833

 0, 28.269, 138.833

 41, 28.269,

 41, 28.269,

138.833

138.833

■ 40, 35.428,
138.099

■ 42, 20.889,
139.508

■ 40, 42.196,
137.330

■ 43, 13.411,
140.112

■ 39, 48.365,
136.581

■ 44, 5.933, 140.652

■ 39, 53.676,
135.935

■ 45, 1.476, 320.988

■ 46, 8.765, 321.463

■ 39, 57.843,
135.500

■ 47, 15.899,
321.809

■ 38, 61.026,
135.123

■ 48, 22.857,
322.102

■ 38, 61.647,
134.988

■ 50, 29.626,
322.353

■ 51, 36.202,

Harmonies

Complementary

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



41, 28.269, 138.833



33, 28.513, 322.664

Rectangle

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



41, 28.269, 138.833



41, 28.269, 188.833



41, 28.269, 318.833



41, 28.269, 8.833

Sweetspot

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



41, 28.270, 138.834



56, 10.182, 140.478



42, 20.785, 100.191



28, 6.793, 140.429



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



41, 28.270, 138.834



52, 42.339, 138.151



41, 22.487, 153.951



22, 4.226, 140.601



43, 66.641, 135.087



85, 115.296, 135.489

Inverse Universe

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



33, 28.513, 322.664



40, 42.721, 323.029



33, 22.921, 340.005



21, 4.242, 321.376



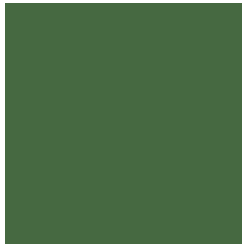
24, 65.688, 323.593



53, 113.122, 323.329

Previews

White Background



This preview shows how the CIELCh color 41, 28.269, 138.833 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 CIE LCh color 41, 28.269, 138.833 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 41, 28.269, 138.833

Background



This preview shows how black text looks on a background with the CIELCh color 41, 28.269, 138.833.



This preview shows how white text looks on a background with the CIELCh color 41, 28.269, 138.833.

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


41, 28.269, 138.833

Protanopia

41, 20.822, 95.255

Deuteranopia

41, 18.291, 71.658



Tritanopia
41, 9.494, 229.500

Trichromacy



Original Color
41, 28.269, 138.833

Protanomaly
41, 21.687, 115.435

Deuteranomaly
41, 18.008, 104.459

Tritanomaly
41, 12.550, 168.898

Monochromacy



Original Color
41, 28.269, 138.833

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 10.746, 140.029

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 28.269, 138.833 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(70, 105, 65)` looks like.

```
.text, #text, p{  
    color:rgb(70, 105, 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(70, 105, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 105, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 28.269, 138.833 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(70, 105, 65) }
```

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

```
.border{ border-color:rgb(70, 105, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 105, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 105, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 105, 65);  
box-shadow:4px 4px 4px 4px rgb(70, 105,  
65) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 28.269, 138.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 105, 65) }
```

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

```
.background{ background-color: rgb(70, 105,  
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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