

Converting Colors

CIELCh(41, 42.471, 139.488)

Have a look what the booklet for
CIELCh(41, 42.471, 139.488)
contains.

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Color

CIELCh(41, 42.471, 139.488)

Conversions

Conversions Part 1

Format	Color
Hex	336D31
RGB	51, 109, 49
RGB Percent	20%, 43%, 19%
CMY	0.8000, 0.5725, 0.8078
CMYK	0.53, 0.00, 0.55, 0.57
HSL	118°, 38%, 31%
HSV	118°, 55%, 43%
XYZ	7.3895, 11.8645, 4.8070
YIQ	84.8180, -15.3080, -30.9560

Conversions

Conversions Part 2

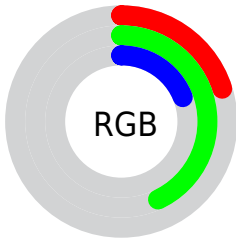
Format	Color
R_{YB}	49, 109, 107
Decimal	3370289
CIE _{Lab}	41.00, -32.29, 27.59
CIE _{LCh}	41, 42.471, 139.488
Y _{xy}	11.8645, 0.3071, 0.4931
Android (android.graphics.Color)	4281560369 (0xFF336D31)
YUV	84.8180, -17.6583, -29.6584
Hunter-Lab	34.4449, -21.9850, 15.8371

Details

The CIELCh color $41, 42.471, 139.488$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $30, 42.344, 326.115$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $61, 42.400, 139.733$, and $21, 41.672, 137.686$ is the 20% darker color. If you saturate the color by 10%, you get $40, 49.047, 138.504$, and if you desaturate by 10%, it is $42, 35.262, 140.432$.

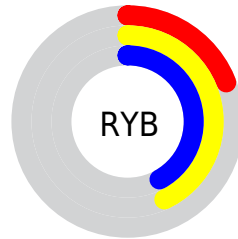
Distribution



Red (20%)

Green (43%)

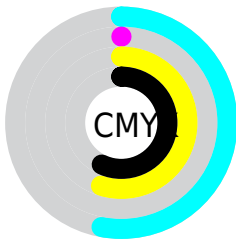
Blue (19%)



Red (19%)

Yellow (43%)

Blue (42%)

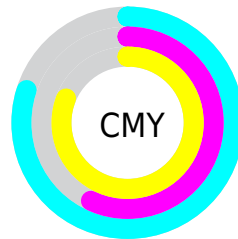


Cyan (53%)

Magenta (0%)

Yellow (55%)

Black (57%)



Cyan (80%)

Magenta (57%)

Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 42.471, 139.488 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, 42.471, 139.488 by changing the saturation by 10% instead.

 41, 42.471,
139.488

 41, 42.471,
139.488

 100, 42.471,
139.488

 31, 42.471,
139.488

 61, 42.471,
139.488

 21, 42.471,
139.488

 71, 42.471,
139.488

 11, 42.471,
139.488

 81, 42.471,
139.488

 1, 42.471, 139.488

 91, 42.471,
139.488

 0, 42.471, 139.488

 41, 42.471,

 41, 42.471,

139.488

139.488

■ 40, 49.047,
138.504

■ 42, 35.262,
140.432

■ 40, 54.721,
137.554

■ 42, 27.644,
141.296

■ 40, 59.201,
136.748

■ 43, 19.796,
142.062

■ 40, 62.361,
136.126

■ 44, 11.862,
142.734

■ 40, 63.830,
135.759

■ 45, 3.950, 143.335

■ 47, 3.862, 323.744

■ 48, 11.518,
324.192

■ 49, 18.981,
324.555

■ 51, 26.231,
324.864

Harmonies

Complementary

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



41, 42.471, 139.488



30, 42.344, 326.115

Rectangle

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



41, 42.471, 139.488



41, 42.471, 189.488



41, 42.471, 319.488



41, 42.471, 9.488

Sweetspot

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



41, 42.472, 139.488



57, 16.746, 142.579



44, 33.309, 103.712



29, 11.128, 142.488



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



41, 42.472, 139.488



52, 61.601, 138.232



41, 30.199, 156.425



22, 4.352, 143.104



42, 67.267, 135.779



85, 115.976, 135.919

Inverse Universe

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



30, 42.344, 326.115



37, 61.013, 326.535



30, 31.541, 347.292



21, 4.361, 323.972



26, 65.213, 326.972



57, 112.230, 326.898

Previews

White Background



This preview shows how the CIE LCh color 41, 42.471, 139.488 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 41, 42.471, 139.488 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, 42.471, 139.488

Background



This preview shows how black text looks on a background with the CIELCh color 41, 42.471, 139.488.



This preview shows how white text looks on a background with the CIELCh color 41, 42.471, 139.488.

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, 42.471, 139.488

Protanopia

41, 30.472, 95.347

Deuteranopia

41, 26.364, 77.886



Tritanopia
41, 14.336, 220.558

Trichromacy



Original Color
41, 42.471, 139.488

Protanomaly
40, 32.627, 117.009

Deuteranomaly
40, 27.197, 109.987

Tritanomaly
41, 20.725, 167.029

Monochromacy



Original Color
41, 42.471, 139.488

Achromatopsia
36, 0.005, 296.813

Achromatomaly
38, 16.307, 141.902

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 42.471, 139.488 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(51, 109, 49)` looks like.

```
.text, #text, p{  
    color:rgb(51, 109, 49)  
}
```

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(51, 109, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 109, 49) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 42.471, 139.488 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(51, 109, 49) }
```

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

```
.border{ border-color:rgb(51, 109, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 109, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 109, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 109, 49);  
box-shadow:4px 4px 4px 4px rgb(51, 109,  
49) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 42.471, 139.488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 109, 49) }
```

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

```
.background{ background-color: rgb(51, 109,  
49) }
```

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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