

Converting Colors

CIELCh(41, 43.173, 135.230)

Have a look what the booklet for
CIELCh(41, 43.173, 135.230)
contains.

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Color

CIELCh(41, 42.933, 135.421)

Conversions

Conversions Part 1

Format	Color
Hex	396C2C
RGB	57, 108, 44
RGB Percent	22%, 42%, 17%
CMY	0.7751, 0.5751, 0.8262
CMYK	0.47, 0.00, 0.59, 0.58
HSL	108°, 42%, 30%
HSV	108°, 59%, 42%
XYZ	7.5684, 11.8645, 4.3063
YIQ	85.4550, -9.8520, -30.7160

Conversions

Conversions Part 2

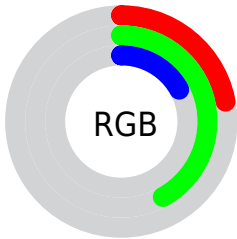
Format	Color
R_{YB}	44, 108, 95
Decimal	3763244
CIE _{Lab}	41.00, -30.58, 30.13
CIE _{LCh}	41, 42.933, 135.421
Yxy	11.8645, 0.3188, 0.4998
Android (android.graphics.Color)	4281953324 (0xFF396C2C)
YUV	85.4550, -20.4373, -24.9550
Hunter-Lab	34.4449, -21.0577, 16.6990

Details

The CIELCh color $41, 42.933, 135.421$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $28, 43.816, 320.992$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $61, 42.875, 135.505$, and $21, 41.548, 136.722$ is the 20% darker color. If you saturate the color by 10%, you get $41, 49.103, 134.849$, and if you desaturate by 10%, it is $42, 36.173, 136.055$.

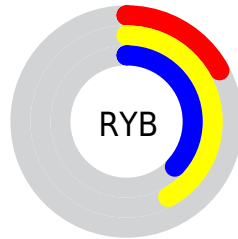
Distribution



Red (22%)

Green (42%)

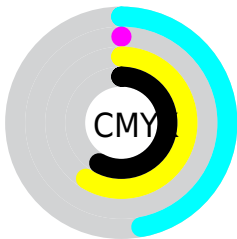
Blue (17%)



Red (17%)

Yellow (42%)

Blue (37%)

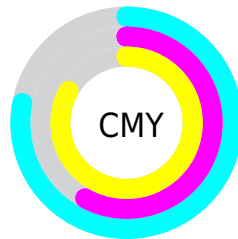


Cyan (47%)

Magenta (0%)

Yellow (59%)

Black (58%)



Cyan (78%)


Magenta (58%)


Yellow (83%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 42.933, 135.421 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, 42.933, 135.421 by changing the saturation by 10% instead.


 41, 42.933,
135.421


 41, 42.933,
135.421


 100, 42.933,
135.421


 31, 42.933,
135.421

 61, 42.933,
135.421


 21, 42.933,
135.421

 71, 42.933,
135.421

 11, 42.933,
135.421

 81, 42.933,
135.421

 1, 42.933, 135.421

 91, 42.933,
135.421

 0, 42.933, 135.421

 41, 42.933,

 41, 42.933,

135.421

135.421

■ 41, 49.103,
134.849

■ 42, 36.173,
136.055

■ 40, 54.419,
134.428

■ 42, 29.031,
136.688

■ 40, 58.592,
134.266

■ 43, 21.670,
137.287

■ 40, 61.889,
134.146

■ 44, 14.209,
137.837

■ 40, 62.187,
134.111

■ 45, 6.738, 138.335

■ 46, 0.676, 318.548

■ 47, 7.987, 319.102

■ 48, 15.162,
319.434

■ 49, 22.179,

Harmonies

Complementary

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



41, 42.933, 135.421



28, 43.816, 320.992

Rectangle

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



41, 42.933, 135.421



41, 42.933, 185.421



41, 42.933, 315.421



41, 42.933, 5.421

Sweetspot

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



41, 42.934, 135.422



56, 16.553, 137.868



40, 30.398, 92.578



29, 11.598, 137.748



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, 42.934, 135.422



52, 61.676, 134.665



41, 37.252, 148.148



22, 4.125, 138.341



43, 65.878, 134.206



85, 114.201, 134.774

Inverse Universe

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



28, 43.816, 320.992



33, 62.827, 321.237



29, 37.280, 337.958



21, 4.147, 319.058



22, 66.312, 320.861



50, 114.302, 320.458

Previews

White Background



This preview shows how the CIELCh color 41, 42.933, 135.421 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, 42.933, 135.421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

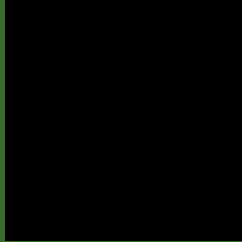
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 42.933, 135.421

Background



This preview shows how black text looks on a background with the CIELCh color 41, 42.933, 135.421.



This preview shows how white text looks on a background with the CIELCh color 41, 42.933, 135.421.

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, 42.933, 135.421

Protanopia

41, 32.564, 95.617

Deuteranopia

41, 28.966, 79.936



Tritanopia
41, 12.474, 221.215

Trichromacy



Original Color
41, 42.933, 135.421

Protanomaly
40, 33.920, 113.976

Deuteranomaly
40, 29.876, 107.410

Tritanomaly
41, 19.145, 162.328

Monochromacy



Original Color
41, 42.933, 135.421

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 16.141, 137.169

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 42.933, 135.421 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(57, 108, 44)` looks like.

```
.text, #text, p{  
    color:rgb(57, 108, 44)  
}
```

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(57, 108, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 108, 44) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 42.933, 135.421 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(57, 108, 44) }
```

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

```
.border{ border-color:rgb(57, 108, 44) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 108, 44)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(57, 108, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(57, 108, 44);  
box-shadow:4px 4px 4px 4px rgb(57, 108,  
44) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 42.933, 135.421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 108, 44) }
```

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

```
.background{ background-color: rgb(57, 108,  
44) }
```

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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