

Converting Colors

CIELCh(41, 47.798, 127.997)

Have a look what the booklet for
CIELCh(41, 47.798, 127.997)
contains.

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Color

CIELCh(41, 47.880, 128.222)

Conversions

Conversions Part 1

Format	Color
Hex	406C1D
RGB	64, 108, 29
RGB Percent	25%, 42%, 11%
CMY	0.7496, 0.5771, 0.8869
CMYK	0.41, 0.00, 0.73, 0.58
HSL	93°, 58%, 27%
HSV	93°, 73%, 42%
XYZ	7.6698, 11.8645, 3.0380
YIQ	85.8380, -0.8650, -33.8970

Conversions

Conversions Part 2

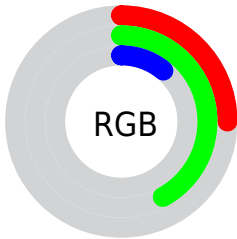
Format	Color
R_{YB}	29, 108, 73
Decimal	4221981
CIE _{Lab}	41.00, -29.62, 37.62
CIE _{LCh}	41, 47.880, 128.222
Yxy	11.8645, 0.3398, 0.5256
Android (android.graphics.Color)	4282412061 (0xFF406C1D)
YUV	85.8380, -28.0211, -19.1519
Hunter-Lab	34.4449, -20.5321, 18.8822

Details

The CIELCh color $41, 47.880, 128.222$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $21, 52.214, 314.015$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $61, 48.059, 128.446$, and $21, 40.094, 133.959$ is the 20% darker color. If you saturate the color by 10%, you get $41, 52.559, 128.323$, and if you desaturate by 10%, it is $41, 42.352, 128.390$.

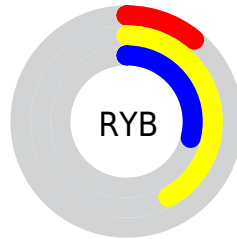
Distribution



Red (25%)

Green (42%)

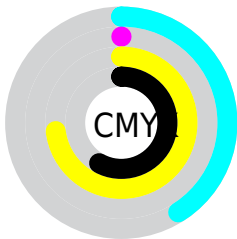
Blue (11%)



Red (11%)

Yellow (42%)

Blue (29%)

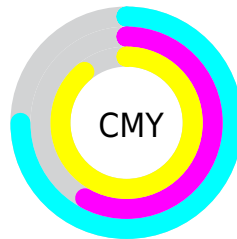


Cyan (41%)

Magenta (0%)

Yellow (73%)

Black (58%)



Cyan (75%)


Magenta (58%)


Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 41, 47.880, 128.222 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, 47.880, 128.222 by changing the saturation by 10% instead.


 41, 47.880,
128.222


 41, 47.880,
128.222


 100, 47.880,
128.222


 31, 47.880,
128.222

 61, 47.880,
128.222


 21, 47.880,
128.222

 71, 47.880,
128.222

 11, 47.880,
128.222

 81, 47.880,
128.222

 1, 47.880, 128.222

 91, 47.880,
128.222

 0, 47.880, 128.222

 41, 47.880,

 41, 47.880,

128.222

■ 41, 52.559,
128.323

■ 40, 56.177,
128.772

■ 40, 58.460,
129.011

128.222

■ 41, 42.352,
128.390

■ 42, 36.229,
128.723

■ 42, 29.719,
129.143

■ 43, 22.972,
129.600

■ 44, 16.095,
130.059

■ 45, 9.167, 130.504

■ 45, 2.240, 130.946

■ 46, 4.644, 311.268

■ 47, 11.457,

Harmonies

Complementary

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



41, 47.880, 128.222



21, 52.214, 314.015

Rectangle

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



41, 47.880, 128.222



41, 47.880, 178.222



41, 47.880, 308.222



41, 47.880, 358.222

Sweetspot

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



41, 47.880, 128.223



56, 18.891, 130.089



34, 33.035, 71.235



29, 12.791, 130.000



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, 47.880, 128.223



52, 66.705, 128.619



40, 52.227, 139.308



22, 3.859, 130.690



44, 62.158, 129.163



86, 107.996, 130.081

Inverse Universe

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



21, 52.214, 314.015



24, 73.752, 313.966



27, 51.022, 329.397



20, 3.903, 311.380



18, 69.196, 313.718



41, 119.710, 313.075

Previews

White Background



This preview shows how the CIELCh color 41, 47.880, 128.222 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, 47.880, 128.222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

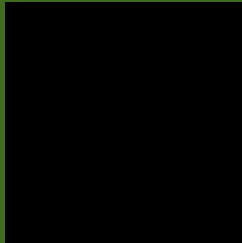
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 41, 47.880, 128.222

Background



This preview shows how black text looks on a background with the CIELCh color 41, 47.880, 128.222.



This preview shows how white text looks on a background with the CIELCh color 41, 47.880, 128.222.

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, 47.880, 128.222

Protanopia

41, 40.069, 96.177

Deuteranopia

41, 36.398, 82.198



Tritanopia
41, 10.389, 226.450

Trichromacy



Original Color
41, 47.880, 128.222

Protanomaly
41, 41.196, 110.117

Deuteranomaly
40, 36.975, 102.965

Tritanomaly
41, 19.085, 150.451

Monochromacy



Original Color
41, 47.880, 128.222

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 19.019, 129.553

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 47.880, 128.222 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(64, 108, 29)` looks like.

```
.text, #text, p{  
    color:rgb(64, 108, 29)  
}
```

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(64, 108, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 108, 29) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 47.880, 128.222 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(64, 108, 29) }
```

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

```
.border{ border-color:rgb(64, 108, 29) }
```

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

Here you see how a box with a 4 pixel rgb(64, 108, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 108, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 108, 29);  
box-shadow:4px 4px 4px 4px rgb(64, 108,  
29) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 47.880, 128.222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 108, 29) }
```

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

```
.background{ background-color: rgb(64, 108,  
29) }
```

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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