

Converting Colors

CIELCh(41, 30.342, 118.808)

Have a look what the booklet for
CIELCh(41, 30.342, 118.808)
contains.

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Color

CIELCh(41, 29.970, 118.348)

Conversions

Conversions Part 1

Format	Color
Hex	586634
RGB	88, 102, 52
RGB Percent	35%, 40%, 20%
CMY	0.6543, 0.5994, 0.7955
CMYK	0.14, 0.00, 0.49, 0.60
HSL	77°, 32%, 30%
HSV	77°, 49%, 40%
XYZ	9.4287, 11.8645, 5.0589
YIQ	92.1140, 7.7060, -18.5180

Conversions

Conversions Part 2

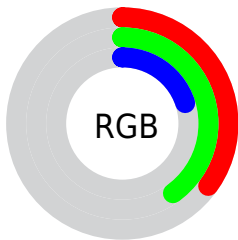
Format	Color
RYB	52, 102, 66
Decimal	5793332
CIELab	41.00, -14.23, 26.38
CIELCh	41, 29.970, 118.348
Yxy	11.8645, 0.3578, 0.4502
Android (android.graphics.Color)	4283983412 (0xFF586634)
YUV	92.1140, -19.7762, -3.6080
Hunter-Lab	34.4449, -11.4174, 15.4036

Details


The CIELCh color $[41, 29.970, 118.348]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[26, 33.197, 304.618]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[61, 29.825, 118.371]$, and $[21, 29.954, 118.115]$ is the 20% darker color. If you saturate the color by 10%, you get $[41, 35.541, 117.914]$, and if you desaturate by 10%, it is $[41, 24.092, 118.866]$.

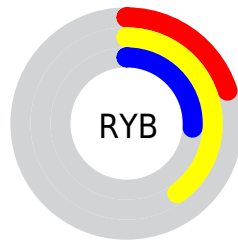
Distribution



 Red (35%)

 Green (40%)

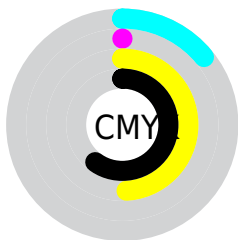
 Blue (20%)




 Red (20%)

 Yellow (40%)

 Blue (26%)

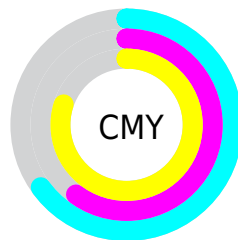


 Cyan (14%)

 Magenta (0%)

 Yellow (49%)

 Black (60%)



 Cyan (65%)

 Magenta (60%)

 Yellow (80%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 41, 29.970, 118.348 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, 29.970, 118.348 by changing the saturation by 10% instead.


 41, 29.970,
118.348

 41, 29.970,
118.348


 100, 29.970,
118.348


 31, 29.970,
118.348

 61, 29.970,
118.348


 21, 29.970,
118.348

 71, 29.970,
118.348

 11, 29.970,
118.348


 81, 29.970,
118.348

 1, 29.970, 118.348

 91, 29.970,
118.348

 0, 29.970, 118.348

 41, 29.970,

 41, 29.970,

118.348

■ 41, 35.541,
117.914

■ 40, 40.636,
117.615

■ 40, 45.036,
117.530

■ 40, 48.490,
117.747

■ 40, 51.361,
118.110

■ 40, 51.675,
118.137

118.348

■ 41, 24.092,
118.866

■ 42, 18.021,
119.422

■ 42, 11.839,
119.993

■ 43, 5.599, 120.560

■ 43, 0.659, 301.065

■ 44, 6.909, 301.624

■ 44, 13.129,
302.122

■ 45, 19.307,
302.589

■ 46, 25.430,

Harmonies

Complementary

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



41, 29.970, 118.348



26, 33.197, 304.618

Rectangle

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



41, 29.970, 118.348



41, 29.970, 168.348



41, 29.970, 298.348



41, 29.970, 348.348

Sweetspot

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



41, 29.971, 118.350



54, 11.614, 120.194



32, 20.406, 45.888



27, 7.858, 120.110



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



41, 29.971, 118.350



52, 43.921, 117.851



39, 34.072, 135.290



21, 3.505, 120.562



44, 56.167, 118.317



88, 97.870, 119.133

Inverse Universe

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



26, 33.197, 304.618



29, 50.218, 305.702



28, 34.877, 319.748



19, 3.566, 301.554



13, 71.907, 308.454



33, 125.574, 307.932

Previews

White Background



This preview shows how the CIELCh color 41, 29.970, 118.348 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, 29.970, 118.348 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

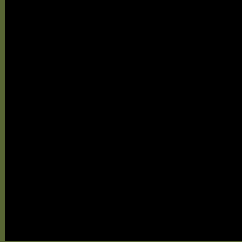
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 41, 29.970, 118.348

Background



This preview shows how black text looks on a background with the CIELCh color 41, 29.970, 118.348.



This preview shows how white text looks on a background with the CIELCh color 41, 29.970, 118.348.

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, 29.970, 118.348

Protanopia

41, 28.096, 96.978

Deuteranopia

41, 25.843, 77.412



Tritanopia
41, 4.871, 286.171

Trichromacy



Original Color
41, 29.970, 118.348

Protanomaly
41, 28.202, 104.889

Deuteranomaly
41, 25.565, 94.351

Tritanomaly
41, 8.157, 124.323

Monochromacy



Original Color
41, 29.970, 118.348

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 11.122, 119.925

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 41, 29.970, 118.348 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(88, 102, 52)` looks like.

```
.text, #text, p{  
    color:rgb(88, 102, 52)  
}
```

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(88, 102, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 102, 52) }
```

Border

The CSS property to change the border of an element to CIELCh 41, 29.970, 118.348 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(88, 102, 52) }
```

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

```
.border{ border-color:rgb(88, 102, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 102, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 102, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 102, 52);  
box-shadow:4px 4px 4px 4px rgb(88, 102,  
52) }
```

Background

The CSS property to change the background color of an element to CIELCh 41, 29.970, 118.348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 102, 52) }
```

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

```
.background{ background-color: rgb(88, 102,  
52) }
```

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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