

Converting Colors

CIELCh(40, 43.945, 128.488)

Have a look what the booklet for
CIELCh(40, 43.945, 128.488)
contains.

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Color

CIELCh(40, 43.979, 128.504)

Conversions

Conversions Part 1

Format	Color
Hex	416922
RGB	65, 105, 34
RGB Percent	25%, 41%, 13%
CMY	0.7466, 0.5897, 0.8681
CMYK	0.38, 0.00, 0.68, 0.59
HSL	94°, 51%, 27%
HSV	94°, 68%, 41%
XYZ	7.4519, 11.2510, 3.2650
YIQ	84.9460, -1.0490, -30.5610

Conversions

Conversions Part 2

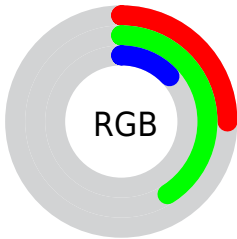
Format	Color
RYB	34, 105, 74
Decimal	4286754
CIELab	40.00, -27.38, 34.42
CIELCh	40, 43.979, 128.504
Yxy	11.2510, 0.3392, 0.5122
Android (android.graphics.Color)	4282476834 (0xFF416922)
YUV	84.9460, -25.1164, -17.4926
Hunter-Lab	33.5425, -19.0433, 17.7085

Details

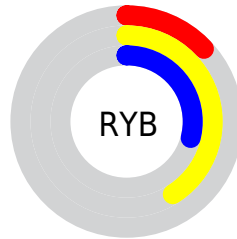
The CIELCh color $40, 43.979, 128.504$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $22, 47.581, 314.078$, and the grayscale version is $36, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 44.272, 128.521$, and $20, 37.699, 132.623$ is the 20% darker color. If you saturate the color by 10%, you get $40, 49.056, 128.435$, and if you desaturate by 10%, it is $40, 38.221, 128.780$.

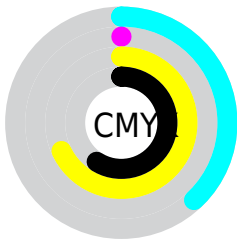
Distribution



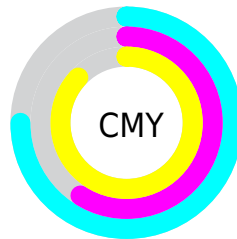
- Red (25%)
- Green (41%)
- Blue (13%)



- Red (13%)
- Yellow (41%)
- Blue (29%)



- Cyan (38%)
- Magenta (0%)
- Yellow (68%)
- Black (59%)





- Cyan (75%)
- Magenta (59%)
- Yellow (87%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 43.979, 128.504 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 40, 43.979, 128.504 by changing the saturation by 10% instead.


 40, 43.979,
128.504


 40, 43.979,
128.504


 100, 43.979,
128.504


 30, 43.979,
128.504

 60, 43.979,
128.504


 20, 43.979,
128.504

 70, 43.979,
128.504

 10, 43.979,
128.504

 80, 43.979,
128.504

 0, 43.979, 128.504

 90, 43.979,
128.504

 40, 43.979,

 40, 43.979,

128.504

128.504

■ 40, 49.056,
128.435

■ 40, 38.221,
128.780

■ 39, 53.192,
128.677

■ 41, 32.004,
129.171

■ 39, 56.558,
129.098

■ 42, 25.498,
129.617

■ 39, 57.299,
129.144

■ 42, 18.823,
130.077

■ 43, 12.068,
130.529

■ 44, 5.294, 130.962

■ 44, 1.454, 311.279

■ 45, 8.144, 311.686

■ 46, 14.752,

Harmonies

Complementary

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



40, 43.979, 128.504



22, 47.581, 314.078

Rectangle

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



40, 43.979, 128.504



40, 43.979, 178.504



40, 43.979, 308.504



40, 43.979, 358.504

Sweetspot

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



40, 43.979, 128.505



54, 16.690, 130.409



34, 29.735, 72.053



28, 11.476, 130.316



79, 0.010, 296.813



29, 0.005, 296.813

Same Dimension

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



40, 43.979, 128.505



51, 61.745, 128.519



39, 48.040, 139.972



22, 3.866, 130.913



44, 62.279, 129.352



86, 108.211, 130.266

Inverse Universe

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



22, 47.581, 314.078



25, 67.762, 314.264



27, 47.216, 329.179



20, 3.908, 311.601



18, 69.104, 313.884



41, 119.540, 313.243

Previews

White Background



This preview shows how the CIELCh color 40, 43.979, 128.504 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 40, 43.979, 128.504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

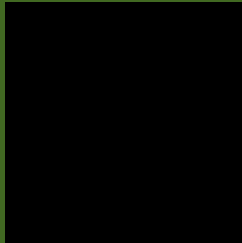
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 43.979, 128.504

Background



This preview shows how black text looks on a background with the CIELCh color 40, 43.979, 128.504.



This preview shows how white text looks on a background with the CIELCh color 40, 43.979, 128.504.

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


40, 43.979, 128.504

Protanopia

40, 36.538, 95.832

Deuteranopia

40, 33.148, 80.321



Tritanopia
40, 9.813, 228.470

Trichromacy



Original Color
40, 43.979, 128.504

Protanomaly
40, 37.635, 110.351

Deuteranomaly
39, 33.640, 102.375

Tritanomaly
40, 17.253, 152.545

Monochromacy



Original Color
40, 43.979, 128.504

Achromatopsia
36, 0.005, 296.813

Achromatomaly
37, 17.066, 129.216

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 43.979, 128.504 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(65, 105, 34)` looks like.

```
.text, #text, p{  
    color:rgb(65, 105, 34)  
}
```

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(65, 105, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 105, 34) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 43.979, 128.504 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(65, 105, 34) }
```

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

```
.border{ border-color:rgb(65, 105, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 105, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 105, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 105, 34);  
box-shadow:4px 4px 4px 4px rgb(65, 105,  
34) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 43.979, 128.504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 105, 34) }
```

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

```
.background{ background-color: rgb(65, 105,  
34) }
```

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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