

Converting Colors

CIELCh(40, 25.014, 127.063)

Have a look what the booklet for
CIELCh(40, 25.014, 127.063)
contains.

CIELCh(40, 24.789, 126.900)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(40, 24.789, 126.900)

Conversions

Conversions Part 1

Format	Color
Hex	51643D
RGB	81, 100, 61
RGB Percent	32%, 39%, 24%
CMY	0.6816, 0.6070, 0.7600
CMYK	0.19, 0.00, 0.39, 0.61
HSL	89°, 24%, 32%
HSV	89°, 39%, 39%
XYZ	8.8350, 11.2510, 6.1481
YIQ	89.8730, 1.1950, -16.1570

Conversions

Conversions Part 2

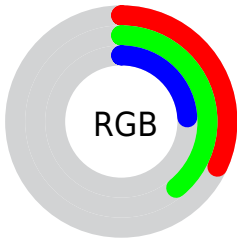
Format	Color
RYB	61, 100, 80
Decimal	5334077
CIELab	40.00, -14.88, 19.82
CIELCh	40, 24.789, 126.900
Yxy	11.2510, 0.3368, 0.4289
Android (android.graphics.Color)	4283524157 (0xFF51643D)
YUV	89.8730, -14.2344, -7.7816
Hunter-Lab	33.5425, -11.6828, 12.6124

Details

The CIELCh color **40, 24.789, 126.900** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **29, 26.154, 310.459**, and the grayscale version is **38, 0.005, 296.813**.

A 20% lighter version of the original color is **60, 24.833, 126.958**, and **20, 24.380, 127.059** is the 20% darker color. If you saturate the color by 10%, you get **39, 30.907, 126.474**, and if you desaturate by 10%, it is **41, 18.502, 127.357**.

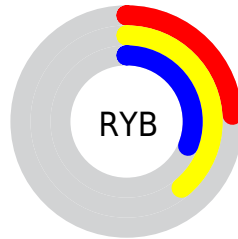
Distribution



Red (32%)

Green (39%)

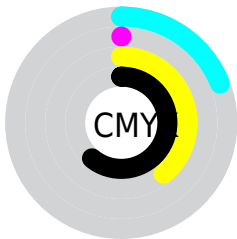
Blue (24%)



Red (24%)

Yellow (39%)

Blue (31%)

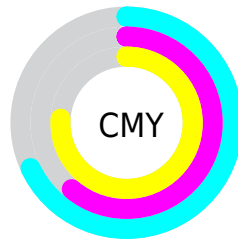


Cyan (19%)

Magenta (0%)

Yellow (39%)

Black (61%)



Cyan (68%)


Magenta (61%)

Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 24.789, 126.900 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, 24.789, 126.900 by changing the saturation by 10% instead.


 40, 24.789,
126.900


 40, 24.789,
126.900


 100, 24.789,
126.900


 30, 24.789,
126.900

 60, 24.789,
126.900


 20, 24.789,
126.900

 70, 24.789,
126.900

 10, 24.789,
126.900

 80, 24.789,
126.900

 0, 24.789, 126.900

 90, 24.789,
126.900

 40, 24.789,

 40, 24.789,

126.900

126.900

■ 39, 30.907,
126.474

■ 41, 18.502,
127.357

■ 39, 36.736,
126.115

■ 41, 12.124,
127.813

■ 39, 42.115,
125.890

■ 42, 5.714, 128.259

■ 38, 46.831,
125.884

■ 43, 0.687, 308.560

■ 43, 7.048, 309.035

■ 38, 50.639,
126.204

■ 44, 13.347,
309.392

■ 38, 53.897,
126.625

■ 45, 19.569,
309.714

■ 38, 54.259,
126.650

■ 46, 25.703,
310.005

■ 47, 31.741,

Harmonies

Complementary

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



40, 24.789, 126.900



29, 26.154, 310.459

Rectangle

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



40, 24.789, 126.900



40, 24.789, 176.900



40, 24.789, 306.900



40, 24.789, 356.900

Sweetspot

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



40, 24.790, 126.901



53, 9.515, 128.108



36, 15.302, 69.159



27, 6.362, 128.071



78, 0.009, 296.813



28, 0.004, 296.813

Same Dimension

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



40, 24.790, 126.901



51, 36.800, 126.497



39, 28.747, 141.383



21, 3.643, 128.258



43, 59.861, 126.911



86, 104.779, 127.892

Inverse Universe

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



29, 26.154, 310.459



35, 39.404, 310.952



32, 28.745, 325.911



19, 3.690, 308.983



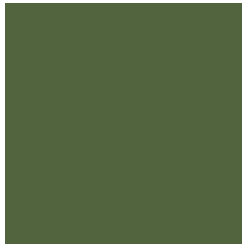
16, 69.090, 312.088



38, 120.588, 311.417

Previews

White Background



This preview shows how the CIELCh color 40, 24.789, 126.900 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 40, 24.789, 126.900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

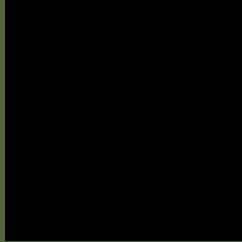
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 24.789, 126.900

Background



This preview shows how black text looks on a background with the CIELCh color 40, 24.789, 126.900.



This preview shows how white text looks on a background with the CIELCh color 40, 24.789, 126.900.

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, 24.789, 126.900

Protanopia

40, 21.465, 95.372

Deuteranopia

40, 19.910, 74.167



Tritanopia
40, 5.753, 257.439

Trichromacy



Original Color
40, 24.789, 126.900

Protanomaly
40, 21.525, 108.060

Deuteranomaly
40, 19.545, 97.437

Tritanomaly
40, 7.493, 151.575

Monochromacy



Original Color
40, 24.789, 126.900

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 9.072, 128.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 24.789, 126.900 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(81, 100, 61)` looks like.

```
.text, #text, p{  
    color:rgb(81, 100, 61)  
}
```

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(81, 100, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 100, 61) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 24.789, 126.900 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(81, 100, 61) }
```

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

```
.border{ border-color:rgb(81, 100, 61) }
```

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

Here you see how a box with a 4 pixel rgb(81, 100, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 100, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 100, 61);  
box-shadow:4px 4px 4px 4px rgb(81, 100,  
61) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 24.789, 126.900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 100, 61) }
```

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

```
.background{ background-color: rgb(81, 100,  
61) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor