

Converting Colors

CIELCh(40, 25.095, 101.283)

Have a look what the booklet for
CIELCh(40, 25.095, 101.283)
contains.

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Color

CIELCh(40, 25.599, 101.903)

Conversions

Conversions Part 1

Format	Color
Hex	646035
RGB	100, 96, 53
RGB Percent	39%, 38%, 21%
CMY	0.6092, 0.6248, 0.7934
CMYK	0.00, 0.04, 0.47, 0.61
HSL	55°, 31%, 30%
HSV	55°, 47%, 39%
XYZ	10.0072, 11.2510, 4.9756
YIQ	92.2940, 16.1870, -12.5250

Conversions

Conversions Part 2

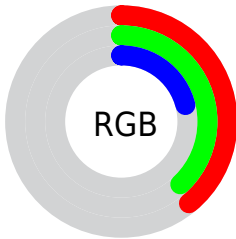
Format	Color
R_{YB}	57, 100, 53
Decimal	6578229
CIE Lab	40.00, -5.28, 25.05
CIE LCh	40, 25.599, 101.903
Yxy	11.2510, 0.3815, 0.4289
Android (android.graphics.Color)	4284768309 (0xFF646035)
YUV	92.2940, -19.3719, 6.7582
Hunter-Lab	33.5425, -5.4449, 14.6848

Details

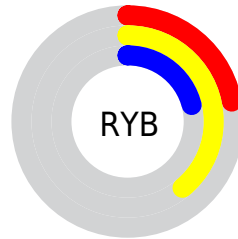
The CIELCh color **40, 25.599, 101.903** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **25, 28.209, 292.996**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 25.191, 101.388**, and **20, 25.601, 101.699** is the 20% darker color. If you saturate the color by 10%, you get **40, 30.658, 100.947**, and if you desaturate by 10%, it is **40, 20.314, 102.889**.

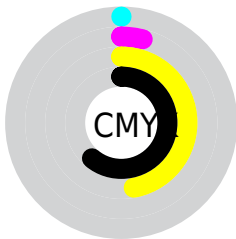
Distribution



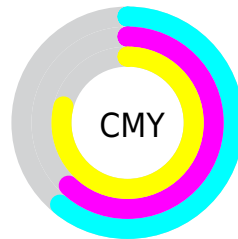
- Red (39%)
- Green (38%)
- Blue (21%)



- Red (22%)
- Yellow (39%)
- Blue (21%)



- Cyan (0%)
- Magenta (4%)
- Yellow (47%)
- Black (61%)





- Cyan (61%)
- Magenta (62%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 25.599, 101.903 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, 25.599, 101.903 by changing the saturation by 10% instead.


 40, 25.599,
101.903


 40, 25.599,
101.903


 100, 25.599,
101.903


 30, 25.599,
101.903

 60, 25.599,
101.903


 20, 25.599,
101.903

 70, 25.599,
101.903

 10, 25.599,
101.903

 80, 25.599,
101.903

 0, 25.599, 101.903

 90, 25.599,
101.903

 40, 25.599,

 40, 25.599,

101.903

■ 40, 30.658,
100.947

■ 39, 35.341,
100.029

■ 39, 39.432, 99.170

■ 39, 42.660, 98.387

■ 38, 45.169, 97.671

■ 38, 45.946, 97.469

101.903

■ 40, 20.314,
102.889

■ 41, 14.901,
103.880

■ 41, 9.423, 104.866

■ 42, 3.918, 105.831

■ 42, 1.587, 286.837

■ 43, 7.077, 287.732

■ 44, 12.542,
288.620

■ 44, 17.975,
289.474

■ 45, 23.372,
290.290

Harmonies

Complementary

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



40, 25.599, 101.903



25, 28.209, 292.996

Rectangle

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



40, 25.599, 101.903



40, 25.599, 151.903



40, 25.599, 281.903



40, 25.599, 331.903

Sweetspot

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



40, 25.600, 101.906



53, 9.587, 105.130



28, 22.508, 16.561



27, 6.670, 104.975



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, 25.600, 101.906



51, 37.977, 100.800



40, 29.049, 123.290



21, 3.147, 105.658



44, 50.717, 97.373



87, 87.664, 97.012

Inverse Universe

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



25, 28.209, 292.996



29, 43.390, 295.339



26, 31.473, 308.150



19, 3.200, 287.445



12, 69.664, 304.514



32, 124.848, 305.444

Previews

White Background



This preview shows how the CIELCh color 40, 25.599, 101.903 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, 25.599, 101.903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

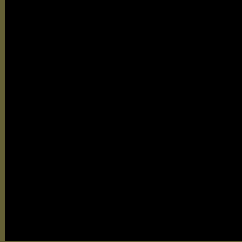
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 25.599, 101.903

Background



This preview shows how black text looks on a background with the CIELCh color 40, 25.599, 101.903.

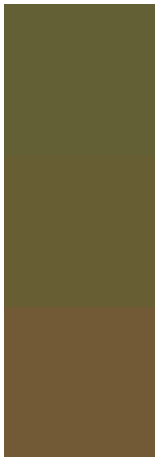


This preview shows how white text looks on a background with the CIELCh color 40, 25.599, 101.903.

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, 25.599, 101.903

Protanopia

40, 25.534, 95.317

Deuteranopia

40, 25.161, 77.742



Tritanopia
40, 6.942, 342.556

Trichromacy



Original Color
40, 25.599, 101.903

Protanomaly
40, 25.799, 98.657

Deuteranomaly
40, 24.376, 86.797

Tritanomaly
40, 7.790, 78.272

Monochromacy



Original Color
40, 25.599, 101.903

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 9.156, 103.156

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 25.599, 101.903 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(100, 96, 53)` looks like.

```
.text, #text, p{  
    color:rgb(100, 96, 53)  
}
```

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(100, 96, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 96, 53) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 25.599, 101.903 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(100, 96, 53) }
```

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

```
.border{ border-color:rgb(100, 96, 53) }
```

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

Here you see how a box with a 4 pixel rgb(100, 96, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 96, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 96, 53);  
box-shadow:4px 4px 4px 4px rgb(100, 96,  
53) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 25.599, 101.903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 96, 53) }
```

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

```
.background{ background-color: rgb(100, 96,  
53) }
```

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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