

Converting Colors

CIELCh(40, 36.868, 123.691)

Have a look what the booklet for
CIELCh(40, 36.868, 123.691)
contains.

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Color

CIELCh(40, 36.523, 123.492)

Conversions

Conversions Part 1

Format	Color
Hex	4D662A
RGB	77, 102, 42
RGB Percent	30%, 40%, 16%
CMY	0.6980, 0.5999, 0.8352
CMYK	0.25, 0.00, 0.59, 0.60
HSL	85°, 42%, 28%
HSV	85°, 59%, 40%
XYZ	8.2325, 11.2510, 3.9295
YIQ	87.6850, 4.3600, -23.9600

Conversions

Conversions Part 2

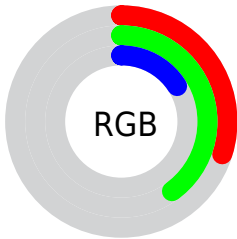
Format	Color
R_{YB}	42, 102, 67
Decimal	5072426
CIE _{Lab}	40.00, -20.15, 30.46
CIE _{LCh}	40, 36.523, 123.492
Yxy	11.2510, 0.3516, 0.4805
Android (android.graphics.Color)	4283262506 (0xFF4D662A)
YUV	87.6850, -22.5227, -9.3707
Hunter-Lab	33.5425, -14.8891, 16.5340

Details

The CIELCh color $40, 36.523, 123.492$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $23, 40.410, 309.400$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $60, 36.191, 123.347$, and $20, 34.067, 125.472$ is the 20% darker color. If you saturate the color by 10%, you get $40, 41.852, 123.270$, and if you desaturate by 10%, it is $40, 30.736, 123.856$.

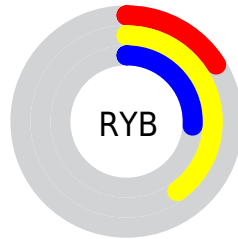
Distribution



 Red (30%)

 Green (40%)

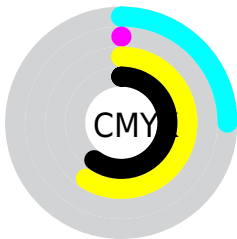
 Blue (16%)




 Red (16%)

 Yellow (40%)

 Blue (26%)

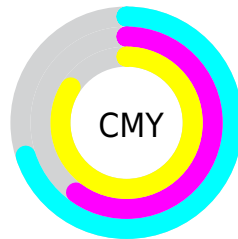


 Cyan (25%)

 Magenta (0%)

 Yellow (59%)

 Black (60%)



 Cyan (70%)


 Magenta (60%)


 Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 36.523, 123.492 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, 36.523, 123.492 by changing the saturation by 10% instead.


 40, 36.523,
123.492


 40, 36.523,
123.492


 100, 36.523,
123.492


 30, 36.523,
123.492

 60, 36.523,
123.492


 20, 36.523,
123.492

 70, 36.523,
123.492

 10, 36.523,
123.492

 80, 36.523,
123.492

 0, 36.523, 123.492

 90, 36.523,
123.492

 40, 36.523,

 40, 36.523,

123.492

123.492

■ 40, 41.852,
123.270

■ 40, 30.736,
123.856

■ 39, 46.505,
123.271

■ 41, 24.654,
124.295

■ 39, 50.234,
123.599

■ 41, 18.394,
124.768

■ 39, 53.373,
124.068

■ 42, 12.035,
125.248

■ 39, 53.761,
124.105

■ 43, 5.636, 125.721

■ 43, 0.763, 306.086

■ 44, 7.134, 306.570

■ 45, 13.455,
306.963

■ 45, 19.710,

Harmonies

Complementary

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



40, 36.523, 123.492



23, 40.410, 309.400

Rectangle

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



40, 36.523, 123.492



40, 36.523, 173.492



40, 36.523, 303.492



40, 36.523, 353.492

Sweetspot

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



40, 36.524, 123.493



54, 14.282, 125.263



32, 24.427, 60.249



27, 9.842, 125.160



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, 36.524, 123.493



51, 52.950, 123.237



38, 42.121, 138.175



21, 3.589, 125.716



43, 58.535, 124.325



87, 102.334, 125.296

Inverse Universe

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



23, 40.410, 309.400



26, 60.316, 310.160



27, 42.191, 324.697



19, 3.641, 306.507



15, 70.093, 310.635



36, 122.414, 309.988

Previews

White Background



This preview shows how the CIELCh color 40, 36.523, 123.492 looks on a white background.

Color Contrast Check

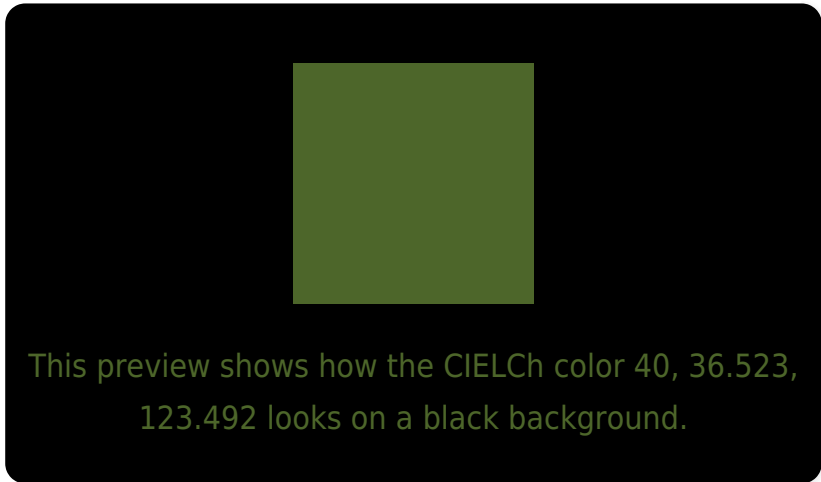
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

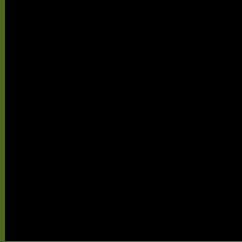
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 36.523, 123.492

Background



This preview shows how black text looks on a background with the CIELCh color 40, 36.523, 123.492.



This preview shows how white text looks on a background with the CIELCh color 40, 36.523, 123.492.

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, 36.523, 123.492

Protanopia

40, 32.109, 95.443

Deuteranopia

40, 29.585, 80.160



Tritanopia
40, 6.004, 244.495

Trichromacy



Original Color
40, 36.523, 123.492

Protanomaly
40, 32.544, 106.831

Deuteranomaly
40, 29.210, 97.908

Tritanomaly
40, 12.437, 141.940

Monochromacy



Original Color
40, 36.523, 123.492

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 13.988, 124.745

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 36.523, 123.492 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(77, 102, 42)` looks like.

```
.text, #text, p{  
    color:rgb(77, 102, 42)  
}
```

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(77, 102, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 102, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 36.523, 123.492 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(77, 102, 42) }
```

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

```
.border{ border-color:rgb(77, 102, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(77, 102, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 102, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 102, 42);  
box-shadow:4px 4px 4px 4px rgb(77, 102,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 40, 36.523, 123.492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 102, 42) }
```

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

```
.background{ background-color: rgb(77, 102,  
42) }
```

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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