

Converting Colors

CIELCh(40, 23.621, 104.385)

Have a look what the booklet for
CIELCh(40, 23.621, 104.385)
contains.

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Color

CIELCh(40, 23.838, 104.175)

Conversions

Conversions Part 1

Format	Color
Hex	626038
RGB	98, 96, 56
RGB Percent	38%, 38%, 22%
CMY	0.6156, 0.6235, 0.7803
CMYK	0.00, 0.02, 0.43, 0.62
HSL	57°, 27%, 30%
HSV	57°, 43%, 38%
XYZ	9.9365, 11.2510, 5.3909
YIQ	92.0380, 14.0320, -12.0160

Conversions

Conversions Part 2

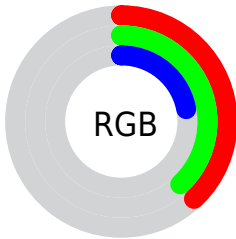
Format	Color
R_{YB}	58, 98, 56
Decimal	6447160
CIE _{Lab}	40.00, -5.84, 23.11
CIE _{LCh}	40, 23.838, 104.175
Yxy	11.2510, 0.3739, 0.4233
Android (android.graphics.Color)	4284637240 (0xFF626038)
YUV	92.0380, -17.7667, 5.2287
Hunter-Lab	33.5425, -5.8213, 13.9508

Details

The CIELCh color $40, 23.838, 104.175$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $26, 26.183, 293.740$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 23.478, 103.292$, and $20, 23.903, 104.482$ is the 20% darker color. If you saturate the color by 10%, you get $40, 29.071, 103.268$, and if you desaturate by 10%, it is $40, 18.405, 105.115$.

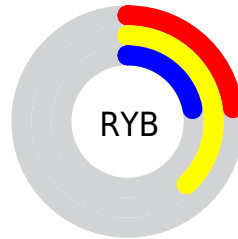
Distribution



 Red (38%)

 Green (38%)

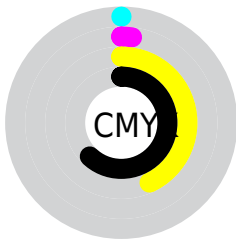
 Blue (22%)



 Red (23%)

 Yellow (38%)

 Blue (22%)

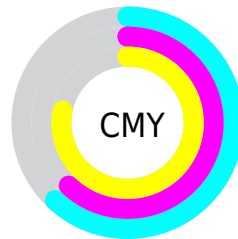


 Cyan (0%)


 Magenta (2%)

 Yellow (43%)

 Black (62%)



 Cyan (62%)


 Magenta (62%)


 Yellow (78%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 23.838, 104.175 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, 23.838, 104.175 by changing the saturation by 10% instead.


 40, 23.838,
104.175


 40, 23.838,
104.175


 100, 23.838,
104.175


 30, 23.838,
104.175

 60, 23.838,
104.175


 20, 23.838,
104.175

 70, 23.838,
104.175

 10, 23.838,
104.175

 80, 23.838,
104.175

 0, 23.838, 104.175

 90, 23.838,
104.175

 40, 23.838,

 40, 23.838,

104.175

■ 40, 29.071,
103.268

■ 39, 33.973,
102.406

■ 39, 38.360,
101.616

■ 39, 41.989,
100.922

■ 39, 44.669,
100.341

■ 39, 46.536, 99.943

104.175

■ 40, 18.405,
105.115

■ 41, 12.854,
106.063

■ 41, 7.242, 107.007

■ 41, 1.603, 107.917

■ 42, 4.039, 288.873

■ 42, 9.669, 289.751

■ 43, 15.277,
290.603

■ 43, 20.856,
291.420

■ 44, 26.400,
292.200

Harmonies

Complementary

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



40, 23.838, 104.175



26, 26.183, 293.740

Rectangle

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



40, 23.838, 104.175



40, 23.838, 154.175



40, 23.838, 284.175



40, 23.838, 334.175

Sweetspot

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



40, 23.839, 104.178



53, 9.094, 106.957



29, 20.115, 19.588



27, 6.307, 106.806



77, 0.009, 296.813



27, 0.004, 296.813

Same Dimension

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



40, 23.839, 104.178



51, 34.843, 103.298



39, 26.472, 125.374



20, 3.131, 107.378



44, 51.167, 99.894



89, 89.264, 99.699

Inverse Universe

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



26, 26.183, 293.740



30, 39.418, 295.526



27, 28.240, 309.468



18, 3.188, 289.090



11, 70.387, 305.261



31, 125.779, 305.872

Previews

White Background



This preview shows how the CIELCh color 40, 23.838, 104.175 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, 23.838, 104.175 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

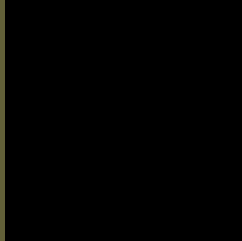
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 23.838, 104.175

Background



This preview shows how black text looks on a background with the CIELCh color 40, 23.838, 104.175.



This preview shows how white text looks on a background with the CIELCh color 40, 23.838, 104.175.

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, 23.838, 104.175

Protanopia

40, 23.746, 96.022

Deuteranopia

40, 23.322, 77.124



Tritanopia
40, 6.615, 340.230

Trichromacy



Original Color
40, 23.838, 104.175

Protanomaly
40, 24.040, 99.581

Deuteranomaly
40, 22.535, 86.860

Tritanomaly
40, 7.029, 79.038

Monochromacy



Original Color
40, 23.838, 104.175

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 8.521, 105.853

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 23.838, 104.175 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(98, 96, 56)` looks like.

```
.text, #text, p{  
    color:rgb(98, 96, 56)  
}
```

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(98, 96, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 96, 56) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 23.838, 104.175 is called "border". The border property can be set on classes, ids or directly on the HTML element.

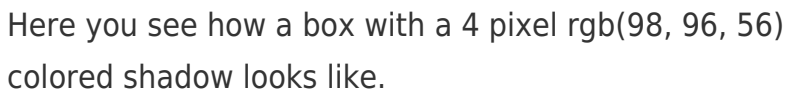
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(98, 96, 56) }
```

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

```
.border{ border-color:rgb(98, 96, 56) }
```

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



Here you see how a box with a 4 pixel `rgb(98, 96, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 96, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 96, 56);  
box-shadow:4px 4px 4px 4px rgb(98, 96, 56)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 23.838, 104.175 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 96, 56) }
```

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

```
.background{ background-color: rgb(98, 96,  
56) }
```

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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