

Converting Colors

CIELCh(40, 18.304, 108.353)

Have a look what the booklet for
CIELCh(40, 18.304, 108.353)
contains.

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Color

CIELCh(40, 18.023, 108.833)

Conversions

Conversions Part 1

Format	Color
Hex	5F6042
RGB	95, 96, 66
RGB Percent	37%, 38%, 26%
CMY	0.6265, 0.6226, 0.7403
CMYK	0.01, 0.00, 0.31, 0.62
HSL	62°, 18%, 32%
HSV	62°, 31%, 38%
XYZ	9.9389, 11.2510, 6.8370
YIQ	92.2810, 9.0340, -9.5420

Conversions

Conversions Part 2

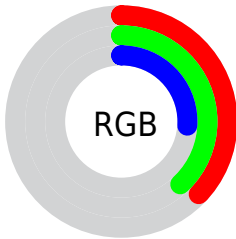
Format	Color
RYB	66, 96, 67
Decimal	6250562
CIELab	40.00, -5.82, 17.06
CIELCh	40, 18.023, 108.833
Yxy	11.2510, 0.3546, 0.4014
Android (android.graphics.Color)	4284440642 (0xFF5F6042)
YUV	92.2810, -12.9565, 2.3846
Hunter-Lab	33.5425, -5.8081, 11.3945

Details

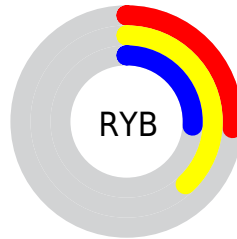
The CIELCh color **40, 18.023, 108.833** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **29, 19.332, 294.816**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **60, 17.907, 108.117**, and **20, 17.811, 109.307** is the 20% darker color. If you saturate the color by 10%, you get **40, 23.612, 108.003**, and if you desaturate by 10%, it is **40, 12.307, 109.688**.

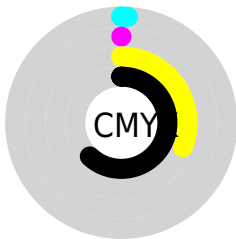
Distribution



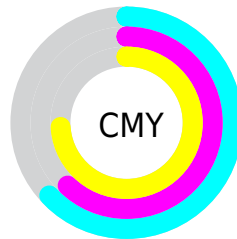
- Red (37%)
- Green (38%)
- Blue (26%)



- Red (26%)
- Yellow (38%)
- Blue (26%)



- Cyan (1%)
- Magenta (0%)
- Yellow (31%)
- Black (62%)





- Cyan (63%)
- Magenta (62%)
- Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 18.023, 108.833 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, 18.023, 108.833 by changing the saturation by 10% instead.


 40, 18.023,
108.833


 40, 18.023,
108.833


 100, 18.023,
108.833


 30, 18.023,
108.833

 60, 18.023,
108.833


 20, 18.023,
108.833

 70, 18.023,
108.833


 10, 18.023,
108.833

 80, 18.023,
108.833

 0, 18.023, 108.833

 90, 18.023,
108.833

 40, 18.023,

 40, 18.023,

108.833

108.833

■ 40, 23.612,
108.003

■ 40, 12.307,
109.688

■ 40, 28.988,
107.208

■ 40, 6.515, 110.541

■ 39, 34.029,
106.478

■ 41, 0.687, 111.346

■ 41, 5.154, 292.223

■ 39, 38.562,
105.848

■ 41, 10.990,
293.021

■ 39, 42.362,
105.355

■ 42, 16.808,
293.792

■ 39, 45.209,
105.036

■ 42, 22.599,
294.529

■ 39, 47.517,
104.788

■ 43, 28.355,
295.230

■ 43, 34.071,

295.895

Harmonies

Complementary

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



40, 18.023, 108.833



29, 19.332, 294.816

Rectangle

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



40, 18.023, 108.833



40, 18.023, 158.833



40, 18.023, 288.833



40, 18.023, 338.833

Sweetspot

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



40, 18.024, 108.837



52, 6.500, 110.703



32, 13.803, 23.021



27, 4.551, 110.613



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, 18.024, 108.837



51, 26.370, 108.256



39, 19.421, 128.313



20, 3.286, 110.735



45, 52.945, 104.823



91, 92.565, 104.946

Inverse Universe

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



29, 19.332, 294.816



35, 28.823, 295.785



31, 20.191, 311.027



18, 3.351, 292.289



11, 72.833, 306.464



30, 127.543, 306.358

Previews

White Background



This preview shows how the CIELCh color 40, 18.023, 108.833 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, 18.023, 108.833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

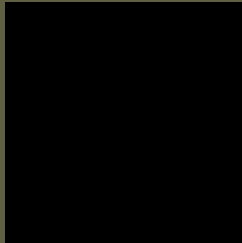
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

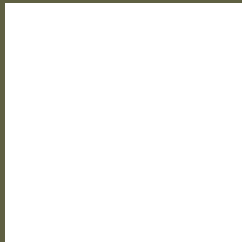
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 18.023, 108.833

Background



This preview shows how black text looks on a background with the CIELCh color 40, 18.023, 108.833.



This preview shows how white text looks on a background with the CIELCh color 40, 18.023, 108.833.

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, 18.023, 108.833

Protanopia

40, 17.894, 95.362

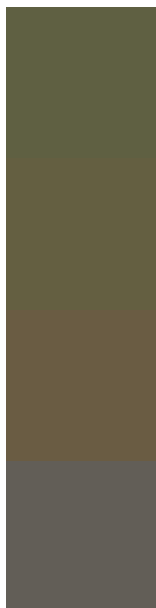
Deuteranopia

40, 17.065, 70.780



Tritanopia
40, 5.192, 324.773

Trichromacy



Original Color
40, 18.023, 108.833

Protanomaly
40, 18.197, 99.999

Deuteranomaly
40, 16.569, 84.487

Tritanomaly
40, 4.580, 87.277

Monochromacy



Original Color
40, 18.023, 108.833

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 6.681, 109.130

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 18.023, 108.833 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(95, 96, 66)` looks like.

```
.text, #text, p{  
    color:rgb(95, 96, 66)  
}
```

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(95, 96, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 96, 66) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 18.023, 108.833 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(95, 96, 66) }
```

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

```
.border{ border-color:rgb(95, 96, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 96, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 96, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 96, 66);  
box-shadow:4px 4px 4px 4px rgb(95, 96, 66)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 18.023, 108.833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 96, 66) }
```

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

```
.background{ background-color: rgb(95, 96,  
66) }
```

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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