

Converting Colors

CIELCh(40, 18.890, 106.594)

Have a look what the booklet for
CIELCh(40, 18.890, 106.594)
contains.

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Color

CIELCh(40, 18.603, 107.277)

Conversions

Conversions Part 1

Format	Color
Hex	606041
RGB	96, 96, 65
RGB Percent	38%, 38%, 25%
CMY	0.6233, 0.6233, 0.7448
CMYK	0.00, 0.00, 0.32, 0.62
HSL	60°, 19%, 32%
HSV	60°, 32%, 38%
XYZ	9.9761, 11.2510, 6.6566
YIQ	92.4660, 9.9510, -9.6410

Conversions

Conversions Part 2

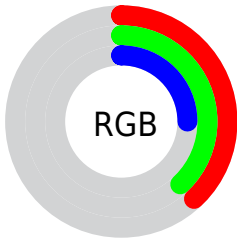
Format	Color
RYB	65, 96, 65
Decimal	6316097
CIELab	40.00, -5.52, 17.76
CIELCh	40, 18.603, 107.277
Yxy	11.2510, 0.3578, 0.4035
Android (android.graphics.Color)	4284506177 (0xFF606041)
YUV	92.4660, -13.5407, 3.0993
Hunter-Lab	33.5425, -5.6105, 11.7135

Details

The CIELCh color $[40, 18.603, 107.277]$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $[29, 20.012, 293.877]$, and the grayscale version is $[39, 0.006, 296.813]$.

A 20% lighter version of the original color is $[60, 18.463, 106.752]$, and $[20, 18.399, 107.403]$ is the 20% darker color. If you saturate the color by 10%, you get $[40, 24.164, 106.403]$, and if you desaturate by 10%, it is $[40, 12.908, 108.178]$.

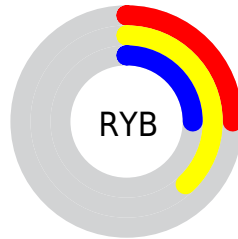
Distribution



 Red (38%)

 Green (38%)

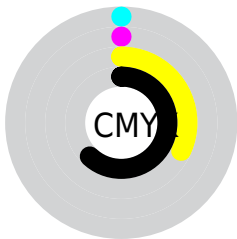
 Blue (25%)



 Red (25%)

 Yellow (38%)

 Blue (25%)

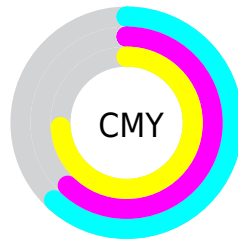


 Cyan (0%)

 Magenta (0%)

 Yellow (32%)

 Black (62%)



 Cyan (62%)


 Magenta (62%)

 Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 18.603, 107.277 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, 18.603, 107.277 by changing the saturation by 10% instead.


 40, 18.603,
107.277


 40, 18.603,
107.277


 100, 18.603,
107.277


 30, 18.603,
107.277

 60, 18.603,
107.277


 20, 18.603,
107.277


 70, 18.603,
107.277


 10, 18.603,
107.277

 80, 18.603,
107.277

 0, 18.603, 107.277

 90, 18.603,
107.277

 40, 18.603,

 40, 18.603,

107.277

107.277

■ 40, 24.164,
106.403

■ 40, 12.908,
108.178

■ 40, 29.502,
105.565

■ 40, 7.133, 109.078

■ 40, 34.489,
104.791

■ 41, 1.319, 109.950

■ 41, 4.510, 290.866

■ 39, 38.944,
104.110

■ 41, 10.335,
291.716

■ 39, 42.641,
103.556

■ 42, 16.145,
292.539

■ 39, 45.392,
103.150

■ 42, 21.929,
293.330

■ 39, 47.419,
102.855

■ 42, 27.681,
294.085

■ 43, 33.396,

Harmonies

Complementary

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



40, 18.603, 107.277



29, 20.012, 293.877

Rectangle

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



40, 18.603, 107.277



40, 18.603, 157.277



40, 18.603, 287.277



40, 18.603, 337.277

Sweetspot

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



40, 18.604, 107.281



52, 7.217, 109.255



31, 14.541, 21.912



27, 4.962, 109.168



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, 18.604, 107.281



51, 27.732, 106.584



39, 19.977, 127.672



20, 3.284, 109.381



46, 52.900, 102.855



92, 92.475, 102.856

Inverse Universe

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



29, 20.012, 293.877



34, 30.500, 295.089



30, 20.833, 310.529



18, 3.349, 291.029



10, 73.045, 306.288



30, 127.692, 306.287

Previews

White Background



This preview shows how the CIELCh color 40, 18.603, 107.277 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, 18.603, 107.277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

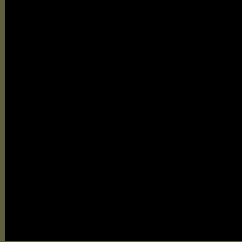
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

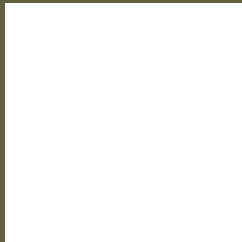
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 40, 18.603, 107.277

Background



This preview shows how black text looks on a background with the CIELCh color 40, 18.603, 107.277.



This preview shows how white text looks on a background with the CIELCh color 40, 18.603, 107.277.

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

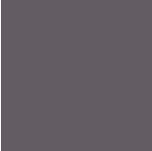
40, 18.603, 107.277

Protanopia

40, 18.475, 95.621

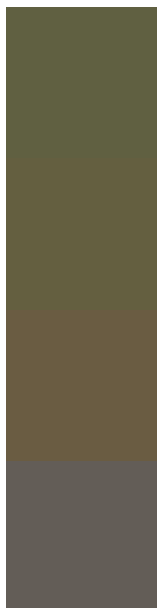
Deuteranopia

40, 18.077, 72.765



Tritanopia
40, 5.438, 328.449

Trichromacy



Original Color
40, 18.603, 107.277

Protanomaly
40, 18.783, 100.116

Deuteranomaly
40, 17.128, 85.127

Tritanomaly
40, 4.473, 73.992

Monochromacy



Original Color
40, 18.603, 107.277

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, 18.603, 107.277 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(96, 96, 65)` looks like.

```
.text, #text, p{  
    color:rgb(96, 96, 65)  
}
```

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(96, 96, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(96, 96, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 18.603, 107.277 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(96, 96, 65) }
```

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

```
.border{ border-color:rgb(96, 96, 65) }
```

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

Here you see how a box with a 4 pixel rgb(96, 96, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(96, 96, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(96, 96, 65);  
box-shadow:4px 4px 4px 4px rgb(96, 96, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 18.603, 107.277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(96, 96, 65) }
```

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

```
.background{ background-color: rgb(96, 96,  
65) }
```

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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