

Converting Colors

CIELCh(40, 20.195, 119.448)

Have a look what the booklet for
CIELCh(40, 20.195, 119.448)
contains.

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Color

CIELCh(40, 20.177, 118.870)

Conversions

Conversions Part 1

Format	Color
Hex	596241
RGB	89, 98, 65
RGB Percent	35%, 38%, 25%
CMY	0.6508, 0.6155, 0.7449
CMYK	0.09, 0.00, 0.34, 0.62
HSL	76°, 20%, 32%
HSV	76°, 34%, 38%
XYZ	9.4505, 11.2510, 6.6805
YIQ	91.5470, 5.2290, -12.1710

Conversions

Conversions Part 2

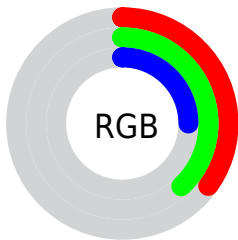
Format	Color
RYB	65, 98, 74
Decimal	5857857
CIELab	40.00, -9.74, 17.67
CIELCh	40, 20.177, 118.870
Yxy	11.2510, 0.3451, 0.4109
Android (android.graphics.Color)	4284047937 (0xFF596241)
YUV	91.5470, -13.0877, -2.2337
Hunter-Lab	33.5425, -8.4075, 11.6712

Details


The CIELCh color $40, 20.177, 118.870$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $30, 21.546, 303.048$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 20.522, 119.552$, and $20, 20.133, 119.063$ is the 20% darker color. If you saturate the color by 10%, you get $40, 25.966, 118.327$, and if you desaturate by 10%, it is $40, 14.251, 119.442$.

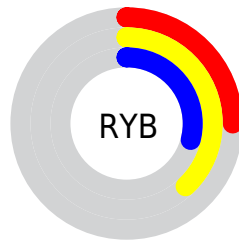
Distribution



 Red (35%)

 Green (38%)

 Blue (25%)



 Red (25%)

 Yellow (38%)

 Blue (29%)

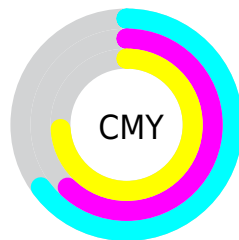


 Cyan (9%)

 Magenta (0%)

 Yellow (34%)

 Black (62%)



 Cyan (65%)


 Magenta (62%)


 Yellow (74%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 20.177, 118.870 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, 20.177, 118.870 by changing the saturation by 10% instead.


 40, 20.177,
118.870


 40, 20.177,
118.870


 100, 20.177,
118.870


 30, 20.177,
118.870

 60, 20.177,
118.870


 20, 20.177,
118.870

 70, 20.177,
118.870

 10, 20.177,
118.870

 80, 20.177,
118.870

 0, 20.177, 118.870

 90, 20.177,
118.870

 40, 20.177,

 40, 20.177,

118.870

118.870

■ 40, 25.966,
118.327

■ 40, 14.251,
119.442

■ 39, 31.523,
117.837

■ 41, 8.246, 120.016

■ 39, 36.718,
117.449

■ 41, 2.208, 120.584

■ 39, 41.369,
117.226

■ 42, 3.835, 301.108

■ 38, 45.245,
117.250

■ 42, 9.858, 301.626

■ 38, 48.221,
117.564

■ 43, 15.848,
302.113

■ 38, 50.092,
117.722

■ 44, 21.791,
302.568

■ 44, 27.678,
302.992

■ 45, 33.502,
303.387

Harmonies

Complementary

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



40, 20.177, 118.870



30, 21.546, 303.048

Rectangle

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



40, 20.177, 118.870



40, 20.177, 168.870



40, 20.177, 298.870



40, 20.177, 348.870

Sweetspot

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



40, 20.178, 118.872



53, 7.493, 120.207



34, 12.794, 46.119



27, 5.068, 120.153



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, 20.178, 118.872



51, 29.593, 118.458



39, 22.861, 136.197



20, 3.353, 120.288



43, 55.157, 117.933



88, 96.876, 118.761

Inverse Universe

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



30, 21.546, 303.048



36, 32.157, 303.683



31, 23.256, 319.168



18, 3.412, 301.282



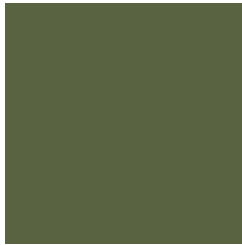
12, 70.829, 308.385



33, 124.707, 307.854

Previews

White Background



This preview shows how the CIELCh color 40, 20.177, 118.870 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 CIE LCh color 40, 20.177, 118.870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

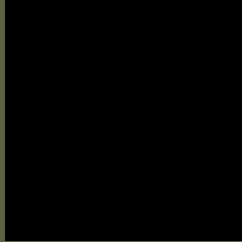
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 20.177, 118.870

Background



This preview shows how black text looks on a background with the CIELCh color 40, 20.177, 118.870.



This preview shows how white text looks on a background with the CIELCh color 40, 20.177, 118.870.

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, 20.177, 118.870

Protanopia

40, 19.056, 95.858

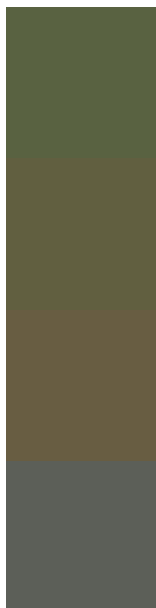
Deuteranopia

40, 17.568, 71.805



Tritanopia
40, 4.269, 290.838

Trichromacy



Original Color
40, 20.177, 118.870

Protanomaly
40, 18.655, 104.395

Deuteranomaly
40, 17.149, 90.138

Tritanomaly
40, 4.451, 126.226

Monochromacy



Original Color
40, 20.177, 118.870

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 7.419, 119.177

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 20.177, 118.870 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(89, 98, 65)` looks like.

```
.text, #text, p{  
    color:rgb(89, 98, 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(89, 98, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 98, 65) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 20.177, 118.870 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(89, 98, 65) }
```

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

```
.border{ border-color:rgb(89, 98, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 98, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 98, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 98, 65);  
box-shadow:4px 4px 4px 4px rgb(89, 98, 65)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 20.177, 118.870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 98, 65) }
```

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

```
.background{ background-color: rgb(89, 98,  
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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