

Converting Colors

CIELCh(40, 17.586, 122.491)

Have a look what the booklet for
CIELCh(40, 17.586, 122.491)
contains.

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Color

CIELCh(40, 17.427, 122.510)

Conversions

Conversions Part 1

Format	Color
Hex	586246
RGB	88, 98, 70
RGB Percent	35%, 38%, 27%
CMY	0.6549, 0.6157, 0.7255
CMYK	0.10, 0.00, 0.29, 0.62
HSL	81°, 17%, 33%
HSV	81°, 29%, 38%
XYZ	9.4966, 11.2510, 7.4647
YIQ	91.8180, 3.0280, -10.8280

Conversions

Conversions Part 2

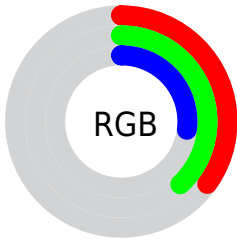
Format	Color
R_{YB}	70, 98, 80
Decimal	5792326
CIE _{Lab}	40.00, -9.37, 14.70
CIE _{LCh}	40, 17.427, 122.510
Yxy	11.2510, 0.3366, 0.3988
Android (android.graphics.Color)	4283982406 (0xFF586246)
YUV	91.8180, -10.7563, -3.3484
Hunter-Lab	33.5425, -8.1623, 10.2850

Details

The CIELCh color $40, 17.427, 122.510$ is a dark color, and the websafe version is hex 666633 . A complement of this color would be $32, 18.296, 305.528$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $60, 17.392, 123.259$, and $20, 17.903, 122.788$ is the 20% darker color. If you saturate the color by 10%, you get $40, 23.401, 122.012$, and if you desaturate by 10%, it is $41, 11.358, 123.022$.

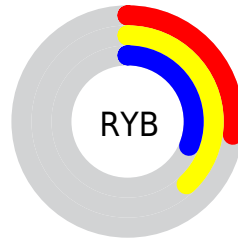
Distribution



Red (35%)

Green (38%)

Blue (27%)



Red (27%)

Yellow (38%)

Blue (31%)

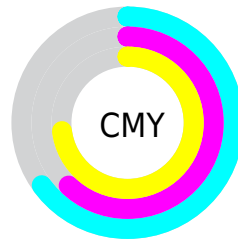


Cyan (10%)

Magenta (0%)

Yellow (29%)

Black (62%)



Cyan (65%)


Magenta (62%)


Yellow (73%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 40, 17.427, 122.510 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, 17.427, 122.510 by changing the saturation by 10% instead.


 40, 17.427,
122.510


 40, 17.427,
122.510


 100, 17.427,
122.510


 30, 17.427,
122.510

 60, 17.427,
122.510


 20, 17.427,
122.510


 70, 17.427,
122.510


 10, 17.427,
122.510

 80, 17.427,
122.510

 0, 17.427, 122.510

 90, 17.427,
122.510

 40, 17.427,

 40, 17.427,

122.510

122.510

■ 40, 23.401,
122.012

■ 41, 11.358,
123.022

■ 39, 29.201,
121.548

■ 41, 5.243, 123.526

■ 39, 34.720,
121.161

■ 42, 0.879, 303.953

■ 42, 6.982, 304.450

■ 38, 39.803,
120.908

■ 43, 13.046,
304.881

■ 38, 44.244,
120.869

■ 44, 19.056,
305.279

■ 38, 47.805,
121.142

■ 44, 25.003,
305.648

■ 38, 50.833,
121.546

■ 45, 30.878,
305.986

■ 37, 51.288,
121.582

■ 46, 36.676,

Harmonies

Complementary

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



40, 17.427, 122.510



32, 18.296, 305.528

Rectangle

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



40, 17.427, 122.510



40, 17.427, 172.510



40, 17.427, 302.510



40, 17.427, 352.510

Sweetspot

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



40, 17.428, 122.512



53, 6.835, 123.491



35, 10.462, 55.554



27, 4.709, 123.439



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, 17.428, 122.512



51, 25.669, 122.188



39, 19.927, 138.822



20, 3.399, 123.512



43, 56.525, 121.828



87, 99.502, 122.784

Inverse Universe

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



32, 18.296, 305.528



39, 27.285, 305.955



33, 20.103, 321.509



18, 3.452, 304.368



13, 69.770, 309.608



34, 122.881, 308.984

Previews

White Background



This preview shows how the CIELCh color 40, 17.427, 122.510 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, 17.427, 122.510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

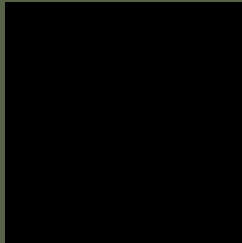
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 40, 17.427, 122.510

Background



This preview shows how black text looks on a background with the CIELCh color 40, 17.427, 122.510.



This preview shows how white text looks on a background with the CIELCh color 40, 17.427, 122.510.

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, 17.427, 122.510

Protanopia

40, 16.041, 96.050

Deuteranopia

40, 14.788, 67.239



Tritanopia
40, 4.332, 280.064

Trichromacy



Original Color
40, 17.427, 122.510

Protanomaly
40, 15.682, 106.048

Deuteranomaly
40, 14.127, 89.047

Tritanomaly
40, 3.494, 138.628

Monochromacy



Original Color
40, 17.427, 122.510

Achromatopsia
39, 0.006, 296.813

Achromatomaly
39, 6.228, 121.245

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 40, 17.427, 122.510 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(88, 98, 70)` looks like.

```
.text, #text, p{  
    color:rgb(88, 98, 70)  
}
```

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(88, 98, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 98, 70) }
```

Border

The CSS property to change the border of an element to CIELCh 40, 17.427, 122.510 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(88, 98, 70) }
```

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

```
.border{ border-color:rgb(88, 98, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 98, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 98, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 98, 70);  
box-shadow:4px 4px 4px 4px rgb(88, 98, 70)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 40, 17.427, 122.510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 98, 70) }
```

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

```
.background{ background-color: rgb(88, 98,  
70) }
```

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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