

Converting Colors

CIELCh(42, 36.818, 140.729)

Have a look what the booklet for
CIELCh(42, 36.818, 140.729)
contains.

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Color

CIELCh(42, 36.660, 140.601)

Conversions

Conversions Part 1

Format	Color
Hex	3C6E3B
RGB	60, 110, 59
RGB Percent	24%, 43%, 23%
CMY	0.7636, 0.5675, 0.7676
CMYK	0.45, 0.00, 0.46, 0.57
HSL	119°, 30%, 33%
HSV	119°, 46%, 43%
XYZ	8.2824, 12.5000, 6.1488
YIQ	89.2360, -13.4290, -26.4610

Conversions

Conversions Part 2

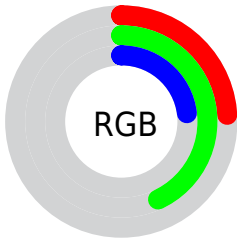
Format	Color
R_{YB}	59, 110, 109
Decimal	3960379
CIE _{Lab}	42.00, -28.33, 23.27
CIE _{LCh}	42, 36.660, 140.601
Yxy	12.5000, 0.3075, 0.4641
Android (android.graphics.Color)	4282150459 (0xFF3C6E3B)
YUV	89.2360, -14.9063, -25.6400
Hunter-Lab	35.3553, -20.0561, 14.4374

Details

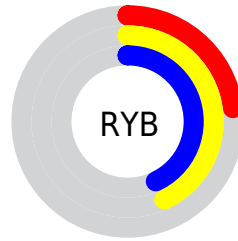
The CIELCh color $42, 36.660, 140.601$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $33, 36.608, 326.164$, and the grayscale version is $38, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 36.587, 140.332$, and $22, 36.643, 140.626$ is the 20% darker color. If you saturate the color by 10%, you get $41, 43.882, 139.619$, and if you desaturate by 10%, it is $43, 28.988, 141.501$.

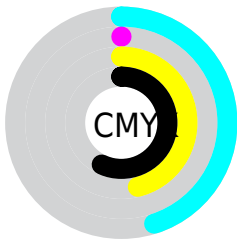
Distribution



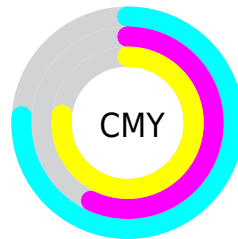
- Red (24%)
- Green (43%)
- Blue (23%)



- Red (23%)
- Yellow (43%)
- Blue (43%)



- Cyan (45%)
- Magenta (0%)
- Yellow (46%)
- Black (57%)





- Cyan (76%)
- Magenta (57%)
- Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 36.660, 140.601 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 42, 36.660, 140.601 by changing the saturation by 10% instead.


 42, 36.660,
140.601


 42, 36.660,
140.601


 100, 36.660,
140.601


 32, 36.660,
140.601

 62, 36.660,
140.601


 22, 36.660,
140.601

 72, 36.660,
140.601

 12, 36.660,
140.601

 82, 36.660,
140.601

 2, 36.660, 140.601

 92, 36.660,
140.601

 0, 36.660, 140.601

 42, 36.660,

 42, 36.660,

140.601

140.601

■ 41, 43.882,
139.619

■ 43, 28.988,
141.501

■ 41, 50.417,
138.597

■ 44, 21.055,
142.299

■ 40, 55.987,
137.616

■ 45, 13.015,
142.997

■ 40, 60.298,
136.790

■ 46, 4.984, 143.614

■ 40, 63.340,
136.136

■ 47, 2.953, 324.036

■ 40, 64.451,
135.864

■ 48, 10.734,
324.512

■ 50, 18.322,
324.890

■ 51, 25.692,
325.210

■ 53, 32.832,
325.483

Harmonies

Complementary

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



42, 36.660, 140.601



33, 36.608, 326.164

Rectangle

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



42, 36.660, 140.601



42, 36.660, 190.601



42, 36.660, 320.601



42, 36.660, 10.601

Sweetspot

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



42, 36.661, 140.601



57, 13.834, 143.119



45, 28.613, 104.481



29, 9.491, 143.013



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

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



42, 36.661, 140.601



53, 53.849, 139.496



42, 25.992, 157.544



23, 4.546, 143.449



43, 68.403, 135.878



85, 116.953, 135.959

Inverse Universe

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



33, 36.608, 326.164



40, 53.554, 326.615



32, 27.085, 346.173



22, 4.555, 324.343



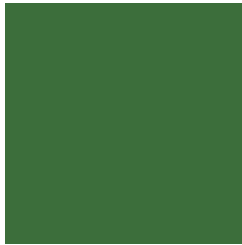
27, 66.179, 327.474



58, 113.031, 327.430

Previews

White Background



This preview shows how the CIE LCh color 42, 36.660, 140.601 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 42, 36.660, 140.601 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 42, 36.660, 140.601

Background



This preview shows how black text looks on a background with the CIELCh color 42, 36.660, 140.601.



This preview shows how white text looks on a background with the CIELCh color 42, 36.660, 140.601.

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

42, 36.660, 140.601

Protanopia

42, 26.369, 96.822

Deuteranopia

42, 22.357, 75.085



Tritanopia
42, 12.921, 223.248

Trichromacy



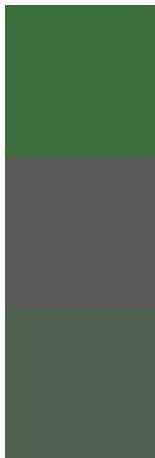
Original Color
42, 36.660, 140.601

Protanomaly
42, 27.570, 117.760

Deuteranomaly
41, 22.561, 109.114

Tritanomaly
42, 17.267, 170.192

Monochromacy



Original Color
42, 36.660, 140.601

Achromatopsia
38, 0.005, 296.813

Achromatomaly
39, 13.455, 143.366

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 36.660, 140.601 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(60, 110, 59)` looks like.

```
.text, #text, p{  
    color:rgb(60, 110, 59)  
}
```

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(60, 110, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 110, 59) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 36.660, 140.601 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(60, 110, 59) }
```

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

```
.border{ border-color:rgb(60, 110, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 110, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 110, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 110, 59);  
box-shadow:4px 4px 4px 4px rgb(60, 110,  
59) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 36.660, 140.601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 110, 59) }
```

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

```
.background{ background-color: rgb(60, 110,  
59) }
```

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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