

Converting Colors

CIELCh(42, 55.282, 120.739)

Have a look what the booklet for
CIELCh(42, 55.282, 120.739)
contains.

CIELCh(42, 55.372, 120.877)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(42, 55.372, 120.877)

Conversions

Conversions Part 1

Format	Color
Hex	496E00
RGB	73, 110, 0
RGB Percent	29%, 43%, 0%
CMY	0.7148, 0.5697, 1.0000
CMYK	0.34, 0.00, 1.00, 0.57
HSL	80°, 100%, 22%
HSV	80°, 100%, 43%
XYZ	8.2725, 12.5000, 1.9667
YIQ	86.3970, 13.2580, -42.0540

Conversions

Conversions Part 2

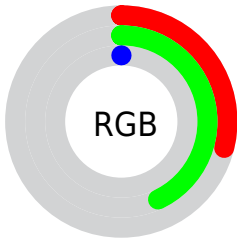
Format	Color
RYB	0, 110, 37
Decimal	4812288
CIELab	42.00, -28.42, 47.52
CIELCh	42, 55.372, 120.877
Yxy	12.5000, 0.3638, 0.5497
Android (android.graphics.Color)	4283002368 (0xFF496E00)
YUV	86.3970, -42.5937, -11.7492
Hunter-Lab	35.3553, -20.1059, 21.4506

Details

The CIELCh color $42, 55.372, 120.877$ is a dark color, and the websafe version is hex 336600 . A complement of this color would be $13, 68.915, 309.317$, and the grayscale version is $37, 0.005, 296.813$.

A 20% lighter version of the original color is $62, 55.451, 120.776$, and $22, 40.007, 131.290$ is the 20% darker color. If you saturate the color by 10%, you get $42, 55.292, 120.914$, and if you desaturate by 10%, it is $42, 52.314, 120.418$.

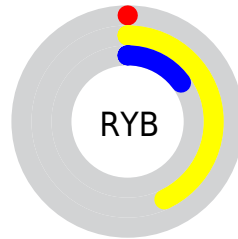
Distribution



Red (29%)

Green (43%)

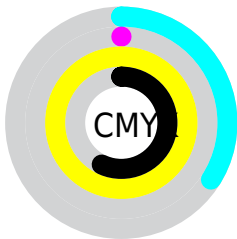
Blue (0%)



Red (0%)

Yellow (43%)

Blue (15%)

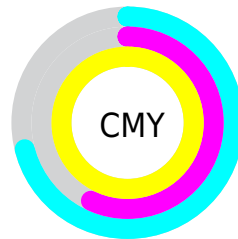


Cyan (34%)

Magenta (0%)

Yellow (100%)

Black (57%)



Cyan (71%)


Magenta (57%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 42, 55.372, 120.877 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, 55.372, 120.877 by changing the saturation by 10% instead.


 42, 55.372,
120.877


 42, 55.372,
120.877


 100, 55.372,
120.877


 32, 55.372,
120.877

 62, 55.372,
120.877


 22, 55.372,
120.877

 72, 55.372,
120.877

 12, 55.372,
120.877

 82, 55.372,
120.877

 2, 55.372, 120.877

 92, 55.372,
120.877

 0, 55.372, 120.877

 42, 55.372,

 42, 55.372,

120.877

120.877

■ 42, 55.292,
120.914

■ 42, 52.314,
120.418

■ 43, 48.736,
120.063

■ 43, 44.112,
120.048

■ 43, 38.709,
120.274

■ 44, 32.773,
120.654

■ 44, 26.491,
121.124

■ 45, 19.994,
121.639

■ 45, 13.373,
122.168

Harmonies

Complementary

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



42, 55.372, 120.877



13, 68.915, 309.317

Rectangle

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



42, 55.372, 120.877



42, 55.372, 170.877



42, 55.372, 300.877



42, 55.372, 350.877

Sweetspot

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



42, 55.292, 120.914



57, 24.804, 121.596



26, 47.992, 49.836



29, 16.777, 121.433



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, 55.292, 120.914



54, 67.005, 121.316



40, 63.140, 134.592



23, 3.832, 122.745



46, 58.935, 121.059



89, 101.248, 121.909

Inverse Universe

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



13, 68.915, 309.317



18, 83.559, 309.047



21, 62.928, 322.169



21, 3.896, 303.661



14, 73.471, 309.218



35, 126.333, 308.669

Previews

White Background



This preview shows how the CIELCh color 42, 55.372, 120.877 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 42, 55.372, 120.877 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, 55.372, 120.877

Background



This preview shows how black text looks on a background with the CIELCh color 42, 55.372, 120.877.



This preview shows how white text looks on a background with the CIELCh color 42, 55.372, 120.877.

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

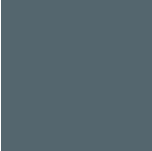
42, 55.372, 120.877

Protanopia

42, 48.897, 95.162

Deuteranopia

42, 43.718, 82.835



Tritanopia
42, 8.286, 234.612

Trichromacy



Original Color
42, 55.372, 120.877

Protanomaly
42, 49.875, 105.690

Deuteranomaly
42, 45.540, 99.559

Tritanomaly
42, 23.573, 134.659

Monochromacy



Original Color
42, 55.372, 120.877

Achromatopsia
37, 0.005, 296.813

Achromatomaly
38, 24.796, 121.564

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 55.372, 120.877 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(73, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(73, 110, 0)  
}
```

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(73, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 110, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 55.372, 120.877 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(73, 110, 0) }
```

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

```
.border{ border-color:rgb(73, 110, 0) }
```

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

Here you see how a box with a 4 pixel rgb(73, 110, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(73, 110, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 42, 55.372, 120.877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 110, 0) }
```

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

```
.background{ background-color: rgb(73, 110,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor