

Converting Colors

CIELCh(42, 47.527, 96.637)

Have a look what the booklet for
CIELCh(42, 47.527, 96.637) contains.

CIELCh(42, 47.556, 96.416)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(42, 47.556, 96.416)

Conversions

Conversions Part 1

Format	Color
Hex	6F6406
RGB	111, 100, 6
RGB Percent	44%, 39%, 2%
CMY	0.5648, 0.6079, 0.9766
CMYK	0.00, 0.10, 0.95, 0.56
HSL	54°, 90%, 23%
HSV	54°, 95%, 44%
XYZ	11.1392, 12.5000, 1.9968
YIQ	92.5730, 36.7300, -26.9020

Conversions

Conversions Part 2

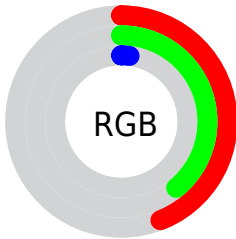
Format	Color
RYB	18, 111, 6
Decimal	7300102
CIELab	42.00, -5.31, 47.26
CIELCh	42, 47.556, 96.416
Yxy	12.5000, 0.4345, 0.4876
Android (android.graphics.Color)	4285490182 (0xFF6F6406)
YUV	92.5730, -42.6805, 16.1605
Hunter-Lab	35.3553, -5.6328, 21.4001

Details

The CIELCh color **42, 47.556, 96.416** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **13, 63.813, 303.123**, and the grayscale version is **39, 0.006, 296.813**.

A 20% lighter version of the original color is **62, 47.944, 96.636**, and **22, 31.083, 98.261** is the 20% darker color. If you saturate the color by 10%, you get **42, 48.918, 95.994**, and if you desaturate by 10%, it is **42, 44.969, 97.238**.

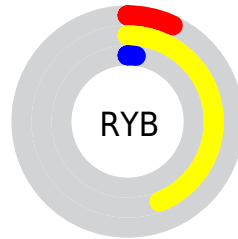
Distribution



Red (44%)

Green (39%)

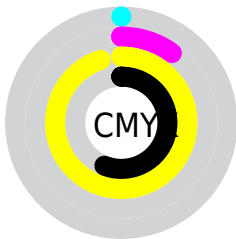
Blue (2%)



Red (7%)

Yellow (44%)

Blue (2%)

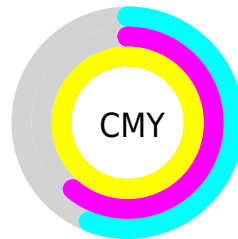


Cyan (0%)

Magenta (10%)

Yellow (95%)

Black (56%)



Cyan (56%)

Magenta (61%)

Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 42, 47.556, 96.416 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, 47.556, 96.416 by changing the saturation by 10% instead.

■ 42, 47.556, 96.416

■ 42, 47.556, 96.416

■ 100, 47.556,
96.416

■ 32, 47.556, 96.416

■ 62, 47.556, 96.416

■ 22, 47.556, 96.416

■ 72, 47.556, 96.416

■ 12, 47.556, 96.416

■ 82, 47.556, 96.416

■ 2, 47.556, 96.416

■ 92, 47.556, 96.416

■ 0, 47.556, 96.416

■ 42, 47.556, 96.416

■ 42, 47.556, 96.416

■ 42, 48.918, 95.994

■ 42, 44.969, 97.238

■ 43, 41.291, 98.116

■ 43, 36.725, 99.053

■ 44, 31.572,
100.035

■ 44, 26.058,
101.047

■ 45, 20.335,
102.073

■ 45, 14.500,
103.100

■ 46, 8.616, 104.115

■ 47, 2.718, 105.097

Harmonies

Complementary

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



42, 47.556, 96.416



13, 63.813, 303.123

Rectangle

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



42, 47.556, 96.416



42, 47.556, 146.416



42, 47.556, 276.416



42, 47.556, 326.416

Sweetspot

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



42, 47.556, 96.418



58, 20.556, 102.676



22, 49.340, 30.582



30, 14.288, 102.323



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



42, 47.556, 96.418



54, 59.310, 95.789



42, 54.853, 122.659



23, 3.341, 104.674



45, 51.651, 95.931



88, 87.889, 95.496

Inverse Universe

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



13, 63.813, 303.123



17, 82.686, 304.538



15, 66.062, 309.900



21, 3.395, 286.528



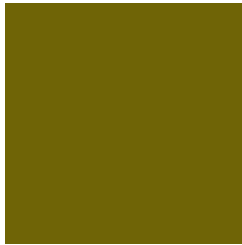
13, 71.033, 304.181



33, 125.530, 305.154

Previews

White Background



This preview shows how the CIELCh color 42, 47.556, 96.416 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, 47.556, 96.416 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, 47.556, 96.416

Background



This preview shows how black text looks on a background with the CIELCh color 42, 47.556, 96.416.



This preview shows how white text looks on a background with the CIELCh color 42, 47.556, 96.416.

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, 47.556, 96.416

Protanopia

42, 47.625, 95.815

Deuteranopia

42, 45.986, 83.477



Tritanopia
42, 11.002, 358.511

Trichromacy



Original Color
42, 47.556, 96.416

Protanomaly
42, 47.625, 95.815

Deuteranomaly
42, 46.292, 88.095

Tritanomaly
42, 20.233, 81.153

Monochromacy



Original Color
42, 47.556, 96.416

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 21.027, 101.785

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 42, 47.556, 96.416 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(111, 100, 6)` looks like.

```
.text, #text, p{  
    color:rgb(111, 100, 6)  
}
```

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(111, 100, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 100, 6) }
```

Border

The CSS property to change the border of an element to CIELCh 42, 47.556, 96.416 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(111, 100, 6) }
```

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

```
.border{ border-color:rgb(111, 100, 6) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 100, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 100, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 100, 6);  
box-shadow:4px 4px 4px 4px rgb(111, 100,  
6) }
```

Background

The CSS property to change the background color of an element to CIELCh 42, 47.556, 96.416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 100, 6) }
```

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

```
.background{ background-color: rgb(111,  
100, 6) }
```

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