

Converting Colors

CIELCh(43, 44.028, 129.717)

Have a look what the booklet for
CIELCh(43, 44.028, 129.717)
contains.

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Color

CIELCh(43, 43.754, 129.789)

Conversions

Conversions Part 1

Format	Color
Hex	46702A
RGB	70, 112, 42
RGB Percent	27%, 44%, 16%
CMY	0.7240, 0.5593, 0.8339
CMYK	0.37, 0.00, 0.62, 0.56
HSL	96°, 45%, 30%
HSV	96°, 62%, 44%
XYZ	8.8133, 13.1578, 4.2991
YIQ	91.4620, -2.5620, -30.6740

Conversions

Conversions Part 2

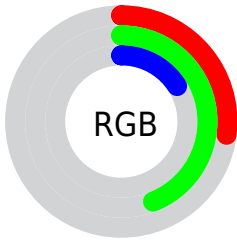
Format	Color
R_{YB}	42, 112, 84
Decimal	4616234
CIE _{Lab}	43.00, -28.00, 33.62
CIE _{LCh}	43, 43.754, 129.789
Yxy	13.1578, 0.3355, 0.5009
Android (android.graphics.Color)	4282806314 (0xFF46702A)
YUV	91.4620, -24.3848, -18.8222
Hunter-Lab	36.2736, -20.1094, 18.3646

Details

The CIELCh color $43, 43.754, 129.789$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $26, 46.652, 315.021$, and the grayscale version is $39, 0.006, 296.813$.

A 20% lighter version of the original color is $63, 43.868, 129.787$, and $23, 41.324, 131.792$ is the 20% darker color. If you saturate the color by 10%, you get $43, 49.596, 129.571$, and if you desaturate by 10%, it is $44, 37.303, 130.161$.

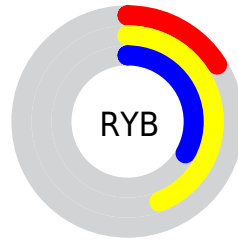
Distribution



Red (27%)

Green (44%)

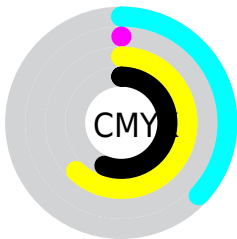
Blue (16%)



Red (16%)

Yellow (44%)

Blue (33%)

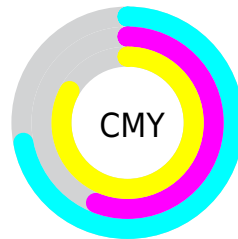


Cyan (37%)

Magenta (0%)

Yellow (62%)

Black (56%)



Cyan (72%)


Magenta (56%)


Yellow (83%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 43, 43.754, 129.789 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 43, 43.754, 129.789 by changing the saturation by 10% instead.


 43, 43.754,
129.789


 43, 43.754,
129.789


 100, 43.754,
129.789


 33, 43.754,
129.789

 63, 43.754,
129.789

 23, 43.754,
129.789

 73, 43.754,
129.789

 13, 43.754,
129.789

 83, 43.754,
129.789

 3, 43.754, 129.789

 93, 43.754,
129.789

 0, 43.754, 129.789

 43, 43.754,

 43, 43.754,

129.789

129.789

■ 43, 49.596,
129.571

■ 44, 37.303,
130.161

■ 42, 54.560,
129.607

■ 44, 30.456,
130.608

■ 42, 58.384,
130.001

■ 45, 23.370,
131.080

■ 42, 60.998,
130.275

■ 46, 16.159,
131.547

■ 46, 8.903, 131.993

■ 47, 1.660, 132.449

■ 48, 5.527, 312.743

■ 49, 12.629,
313.087

■ 50, 19.624,

Harmonies

Complementary

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



43, 43.754, 129.789



26, 46.652, 315.021

Rectangle

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



43, 43.754, 129.789



43, 43.754, 179.789



43, 43.754, 309.789



43, 43.754, 359.789

Sweetspot

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



43, 43.755, 129.790



58, 16.990, 131.675



38, 29.166, 75.849



30, 11.786, 131.572



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



43, 43.755, 129.790



54, 62.616, 129.549



42, 46.420, 141.427



23, 4.057, 132.136



44, 63.941, 130.383



87, 110.239, 131.237

Inverse Universe

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



26, 46.652, 315.021



30, 67.558, 315.288



30, 45.787, 330.090



22, 4.099, 312.820



19, 69.677, 314.813



43, 119.545, 314.207

Previews

White Background



This preview shows how the CIELCh color 43, 43.754, 129.789 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 43, 43.754, 129.789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

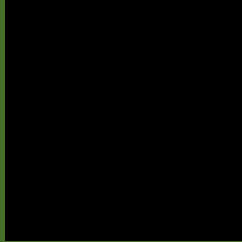
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 43, 43.754, 129.789

Background



This preview shows how black text looks on a background with the CIELCh color 43, 43.754, 129.789.



This preview shows how white text looks on a background with the CIELCh color 43, 43.754, 129.789.

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

43, 43.754, 129.789

Protanopia

43, 36.037, 95.441

Deuteranopia

43, 32.547, 79.763



Tritanopia
43, 10.298, 230.465

Trichromacy



Original Color
43, 43.754, 129.789

Protanomaly
43, 37.023, 109.955

Deuteranomaly
42, 32.954, 102.728

Tritanomaly
43, 17.584, 154.362

Monochromacy



Original Color
43, 43.754, 129.789

Achromatopsia
39, 0.006, 296.813

Achromatomaly
40, 16.477, 131.433

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 43, 43.754, 129.789 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(70, 112, 42)` looks like.

```
.text, #text, p{  
    color:rgb(70, 112, 42)  
}
```

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(70, 112, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 112, 42) }
```

Border

The CSS property to change the border of an element to CIELCh 43, 43.754, 129.789 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(70, 112, 42) }
```

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

```
.border{ border-color:rgb(70, 112, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 112, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 112, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 112, 42);  
box-shadow:4px 4px 4px 4px rgb(70, 112,  
42) }
```

Background

The CSS property to change the background color of an element to CIELCh 43, 43.754, 129.789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 112, 42) }
```

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

```
.background{ background-color: rgb(70, 112,  
42) }
```

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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