

Converting Colors

CIELCh(44, 35.461, 125.791)

Have a look what the booklet for
CIELCh(44, 35.461, 125.791)
contains.

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Color

CIELCh(44, 35.500, 125.550)

Conversions

Conversions Part 1

Format	Color
Hex	557036
RGB	85, 112, 54
RGB Percent	33%, 44%, 21%
CMY	0.6659, 0.5600, 0.7875
CMYK	0.24, 0.00, 0.52, 0.56
HSL	88°, 35%, 33%
HSV	88°, 52%, 44%
XYZ	10.2483, 13.8382, 5.6426
YIQ	97.3150, 2.5260, -23.7620

Conversions

Conversions Part 2

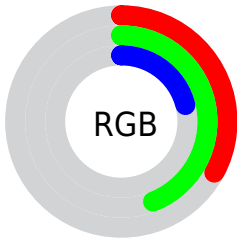
Format	Color
RYB	54, 112, 81
Decimal	5599286
CIELab	44.00, -20.64, 28.88
CIELCh	44, 35.500, 125.550
Yxy	13.8382, 0.3447, 0.4655
Android (android.graphics.Color)	4283789366 (0xFF557036)
YUV	97.3150, -21.3543, -10.8003
Hunter-Lab	37.1997, -15.9238, 17.0465

Details

The CIELCh color $44, 35.500, 125.550$ is a dark color, and the websafe version is hex 336633 . A complement of this color would be $28, 38.416, 310.493$, and the grayscale version is $41, 0.006, 296.813$.

A 20% lighter version of the original color is $64, 35.713, 125.568$, and $24, 35.368, 125.763$ is the 20% darker color. If you saturate the color by 10%, you get $44, 41.703, 125.230$, and if you desaturate by 10%, it is $45, 28.922, 125.967$.

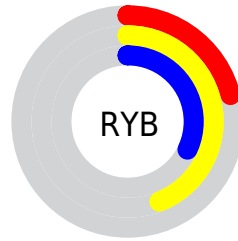
Distribution



Red (33%)

Green (44%)

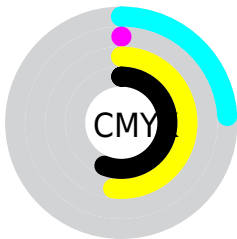
Blue (21%)



Red (21%)

Yellow (44%)

Blue (32%)

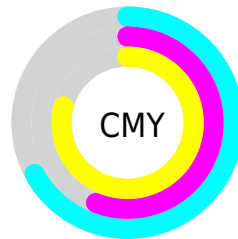


Cyan (24%)

Magenta (0%)

Yellow (52%)

Black (56%)



Cyan (67%)


Magenta (56%)


Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 35.500, 125.550 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 44, 35.500, 125.550 by changing the saturation by 10% instead.


 44, 35.500,
125.550


 44, 35.500,
125.550


 100, 35.500,
125.550


 34, 35.500,
125.550

 64, 35.500,
125.550


 24, 35.500,
125.550

 74, 35.500,
125.550

 14, 35.500,
125.550

 84, 35.500,
125.550

 4, 35.500, 125.550

 94, 35.500,
125.550

 0, 35.500, 125.550

 44, 35.500,

 44, 35.500,

125.550

125.550

■ 44, 41.703,
125.230

■ 45, 28.922,
125.967

■ 43, 47.327,
125.076

■ 45, 22.113,
126.425

■ 43, 52.113,
125.189

■ 46, 15.177,
126.894

■ 42, 55.797,
125.675

■ 46, 8.185, 127.355

■ 42, 58.484,
126.113

■ 47, 1.188, 127.841

■ 48, 5.777, 308.177

■ 49, 12.684,
308.559

■ 50, 19.513,
308.904

■ 51, 26.252,

Harmonies

Complementary

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



44, 35.500, 125.550



28, 38.416, 310.493

Rectangle

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



44, 35.500, 125.550



44, 35.500, 175.550



44, 35.500, 305.550



44, 35.500, 355.550

Sweetspot

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



44, 35.501, 125.551



59, 13.833, 127.140



37, 22.866, 64.240



30, 9.412, 127.068



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



44, 35.501, 125.551



56, 51.611, 125.185



42, 40.884, 139.448



23, 3.929, 127.478



45, 61.371, 126.232



88, 105.702, 127.156

Inverse Universe

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



28, 38.416, 310.493



33, 57.035, 311.102



32, 40.877, 325.490



21, 3.982, 308.237



16, 71.626, 311.565



39, 123.096, 310.939

Previews

White Background



This preview shows how the CIELCh color 44, 35.500, 125.550 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 44, 35.500, 125.550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

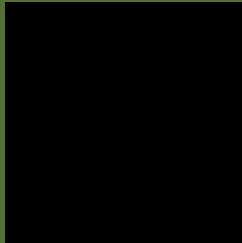
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 35.500, 125.550

Background



This preview shows how black text looks on a background with the CIELCh color 44, 35.500, 125.550.



This preview shows how white text looks on a background with the CIELCh color 44, 35.500, 125.550.

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

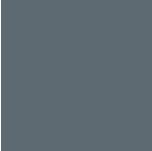
44, 35.500, 125.550

Protanopia

44, 31.256, 95.910

Deuteranopia

44, 28.072, 77.858



Tritanopia
44, 6.583, 245.931

Trichromacy



Original Color
44, 35.500, 125.550

Protanomaly
44, 31.745, 108.132

Deuteranomaly
44, 27.767, 98.270

Tritanomaly
44, 11.965, 145.141

Monochromacy



Original Color
44, 35.500, 125.550

Achromatopsia
42, 0.006, 296.813

Achromatomaly
42, 13.319, 127.351

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 35.500, 125.550 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(85, 112, 54)` looks like.

```
.text, #text, p{  
    color:rgb(85, 112, 54)  
}
```

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(85, 112, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 112, 54) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 35.500, 125.550 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(85, 112, 54) }
```

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

```
.border{ border-color:rgb(85, 112, 54) }
```

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

Here you see how a box with a 4 pixel rgb(85, 112, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 112, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 112, 54);  
box-shadow:4px 4px 4px 4px rgb(85, 112,  
54) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 35.500, 125.550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 112, 54) }
```

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

```
.background{ background-color: rgb(85, 112,  
54) }
```

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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