

Converting Colors

CIELCh(44, 23.703, 135.830)

Have a look what the booklet for
CIELCh(44, 23.703, 135.830)
contains.

CIELCh(44, 23.555, 135.595)	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(44, 23.555, 135.595)

Conversions

Conversions Part 1

Format	Color
Hex	556F4C
RGB	85, 111, 76
RGB Percent	33%, 44%, 30%
CMY	0.6664, 0.5645, 0.7017
CMYK	0.23, 0.00, 0.32, 0.56
HSL	105°, 19%, 37%
HSV	105°, 32%, 44%
XYZ	10.7488, 13.8382, 8.9520
YIQ	99.2360, -4.2610, -16.3970

Conversions

Conversions Part 2

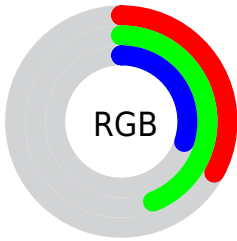
Format	Color
R_{YB}	76, 111, 102
Decimal	5599052
CIE Lab	44.00, -16.83, 16.48
CIE LCh	44, 23.555, 135.595
Yxy	13.8382, 0.3205, 0.4126
Android (android.graphics.Color)	4283789132 (0xFF556F4C)
YUV	99.2360, -11.4553, -12.4850
Hunter-Lab	37.1997, -13.5225, 11.7718

Details

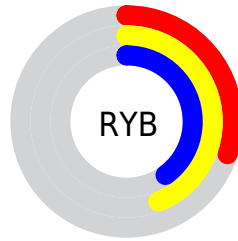
The CIELCh color **44, 23.555, 135.595** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **36, 23.994, 318.359**, and the grayscale version is **42, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 23.824, 135.805**, and **24, 23.587, 134.932** is the 20% darker color. If you saturate the color by 10%, you get **43, 30.904, 135.035**, and if you desaturate by 10%, it is **45, 16.086, 136.122**.

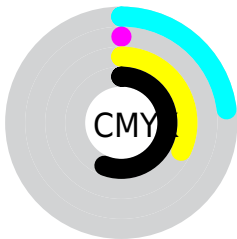
Distribution



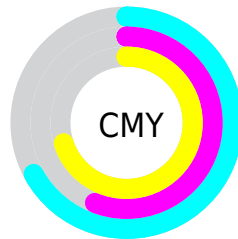
- Red (33%)
- Green (44%)
- Blue (30%)



- Red (30%)
- Yellow (44%)
- Blue (40%)



- Cyan (23%)
- Magenta (0%)
- Yellow (32%)
- Black (56%)



- Cyan (67%)
- Magenta (56%)
- Yellow (70%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 23.555, 135.595 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, 23.555, 135.595 by changing the saturation by 10% instead.

 44, 23.555,
135.595


 44, 23.555,
135.595


 100, 23.555,
135.595


 34, 23.555,
135.595

 64, 23.555,
135.595


 24, 23.555,
135.595

 74, 23.555,
135.595

 14, 23.555,
135.595

 84, 23.555,
135.595

 4, 23.555, 135.595

 94, 23.555,
135.595

 0, 23.555, 135.595

 44, 23.555,

 44, 23.555,

135.595

■ 43, 30.904,
135.035

■ 43, 38.006,
134.463

■ 42, 44.693,
133.923

■ 42, 50.743,
133.485

■ 41, 55.881,
133.247

■ 41, 59.821,
133.318

■ 41, 62.661,
133.324

135.595

■ 45, 16.086,
136.122

■ 46, 8.585, 136.604

■ 47, 1.121, 137.126

■ 48, 6.257, 317.369

■ 49, 13.516,
317.707

■ 50, 20.632,
317.995

■ 51, 27.589,
318.242

■ 53, 34.381,
318.456

■ 54, 41.004,

Harmonies

Complementary

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



44, 23.555, 135.595



36, 23.994, 318.359

Rectangle

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



44, 23.555, 135.595



44, 23.555, 185.595



44, 23.555, 315.595



44, 23.555, 5.595

Sweetspot

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



44, 23.556, 135.596



59, 8.354, 136.709



43, 15.899, 92.411



31, 5.854, 136.655



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, 23.556, 135.596



56, 35.317, 135.177



44, 21.653, 149.411



23, 4.221, 136.720



44, 66.244, 133.426



86, 114.064, 134.076

Inverse Universe

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



36, 23.994, 318.359



45, 36.119, 318.659



37, 21.785, 333.709



22, 4.249, 317.417



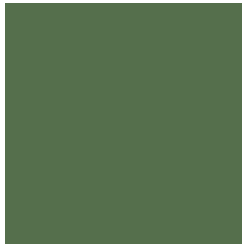
22, 67.888, 319.068



48, 116.221, 318.598

Previews

White Background



This preview shows how the CIELCh color 44, 23.555, 135.595 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 44, 23.555, 135.595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

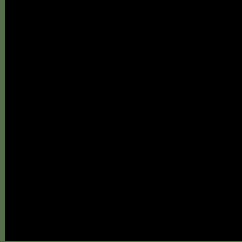
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 23.555, 135.595

Background



This preview shows how black text looks on a background with the CIELCh color 44, 23.555, 135.595.



This preview shows how white text looks on a background with the CIELCh color 44, 23.555, 135.595.

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

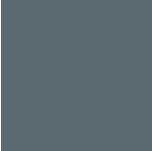
44, 23.555, 135.595

Protanopia

44, 18.742, 96.207

Deuteranopia

44, 16.071, 67.568



Tritanopia
44, 7.758, 243.184

Trichromacy



Original Color
44, 23.555, 135.595

Protanomaly
44, 19.589, 113.950

Deuteranomaly
44, 15.125, 97.679

Tritanomaly
44, 8.796, 169.881

Monochromacy



Original Color
44, 23.555, 135.595

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 8.178, 136.821

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 23.555, 135.595 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, 111, 76)` looks like.

```
.text, #text, p{  
    color:rgb(85, 111, 76)  
}
```

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, 111, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 111, 76) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 23.555, 135.595 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, 111, 76) }
```

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

```
.border{ border-color:rgb(85, 111, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 111, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 111, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 111, 76);  
box-shadow:4px 4px 4px 4px rgb(85, 111,  
76) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 23.555, 135.595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 111, 76) }
```

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

```
.background{ background-color: rgb(85, 111,  
76) }
```

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