

Converting Colors

CIELCh(44, 33.562, 133.778)

Have a look what the booklet for
CIELCh(44, 33.562, 133.778)
contains.

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Color

CIELCh(44, 33.605, 133.759)

Conversions

Conversions Part 1

Format	Color
Hex	4D713E
RGB	77, 113, 62
RGB Percent	30%, 44%, 24%
CMY	0.6966, 0.5554, 0.7555
CMYK	0.32, 0.00, 0.45, 0.56
HSL	102°, 29%, 34%
HSV	102°, 45%, 44%
XYZ	9.9158, 13.8382, 6.7556
YIQ	96.4220, -5.0850, -23.4930

Conversions

Conversions Part 2

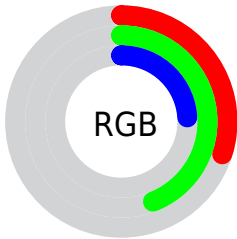
Format	Color
RYB	62, 113, 98
Decimal	5075262
CIELab	44.00, -23.24, 24.27
CIELCh	44, 33.605, 133.759
Yxy	13.8382, 0.3250, 0.4536
Android (android.graphics.Color)	4283265342 (0xFF4D713E)
YUV	96.4220, -16.9700, -17.0331
Hunter-Lab	37.1997, -17.5192, 15.2725

Details

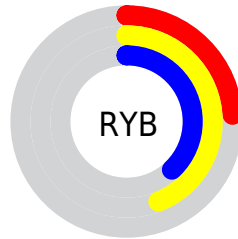
The CIELCh color **44, 33.605, 133.759** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **32, 34.651, 317.726**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **64, 33.701, 133.311**, and **24, 33.966, 133.780** is the 20% darker color. If you saturate the color by 10%, you get **43, 40.628, 133.236**, and if you desaturate by 10%, it is **45, 26.287, 134.296**.

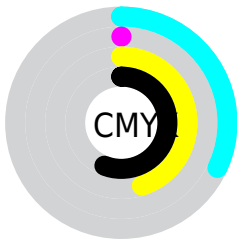
Distribution



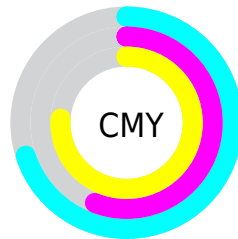
- Red (30%)
- Green (44%)
- Blue (24%)



- Red (24%)
- Yellow (44%)
- Blue (38%)



- Cyan (32%)
- Magenta (0%)
- Yellow (45%)
- Black (56%)




- Cyan (70%)
- Magenta (56%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 44, 33.605, 133.759 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, 33.605, 133.759 by changing the saturation by 10% instead.


 44, 33.605,
133.759


 44, 33.605,
133.759


 100, 33.605,
133.759


 34, 33.605,
133.759

 64, 33.605,
133.759


 24, 33.605,
133.759

 74, 33.605,
133.759

 14, 33.605,
133.759

 84, 33.605,
133.759

 4, 33.605, 133.759

 94, 33.605,
133.759

 0, 33.605, 133.759

 44, 33.605,

 44, 33.605,

133.759

133.759

■ 43, 40.628,
133.236

■ 45, 26.287,
134.296

■ 43, 47.167,
132.778

■ 45, 18.809,
134.812

■ 42, 52.981,
132.468

■ 46, 11.269,
135.294

■ 42, 57.780,
132.414

■ 47, 3.742, 135.747

■ 42, 61.402,
132.655

■ 48, 3.719, 316.068

■ 42, 63.094,
132.685

■ 49, 11.078,
316.430

■ 51, 18.308,
316.732

■ 52, 25.392,
316.993

■ 53, 32.319,
317.218

Harmonies

Complementary

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



44, 33.605, 133.759



32, 34.651, 317.726

Rectangle

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



44, 33.605, 133.759



44, 33.605, 183.759



44, 33.605, 313.759



44, 33.605, 3.759

Sweetspot

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



44, 33.606, 133.760



60, 13.068, 135.323



42, 22.576, 88.200



30, 8.968, 135.245



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, 33.606, 133.760



56, 49.562, 133.215



43, 31.973, 146.924



23, 4.176, 135.567



44, 65.710, 132.765



86, 113.207, 133.478

Inverse Universe

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



32, 34.651, 317.726



39, 51.397, 318.077



34, 32.030, 333.338



22, 4.208, 316.252



21, 68.310, 317.892



47, 117.008, 317.375

Previews

White Background



This preview shows how the CIELCh color 44, 33.605, 133.759 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, 33.605, 133.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

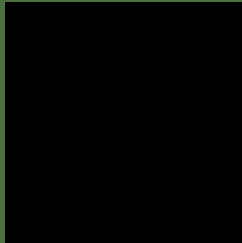
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 44, 33.605, 133.759

Background



This preview shows how black text looks on a background with the CIELCh color 44, 33.605, 133.759.



This preview shows how white text looks on a background with the CIELCh color 44, 33.605, 133.759.

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, 33.605, 133.759

Protanopia

44, 26.830, 96.131

Deuteranopia

44, 23.429, 75.585



Tritanopia
44, 9.410, 233.842

Trichromacy



Original Color
44, 33.605, 133.759

Protanomaly
44, 27.527, 111.999

Deuteranomaly
43, 23.059, 102.165

Tritanomaly
44, 13.185, 161.655

Monochromacy



Original Color
44, 33.605, 133.759

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 12.729, 134.469

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 44, 33.605, 133.759 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(77, 113, 62)` looks like.

```
.text, #text, p{  
    color:rgb(77, 113, 62)  
}
```

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(77, 113, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(77, 113, 62) }
```

Border

The CSS property to change the border of an element to CIELCh 44, 33.605, 133.759 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(77, 113, 62) }
```

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

```
.border{ border-color:rgb(77, 113, 62) }
```

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

Here you see how a box with a 4 pixel rgb(77, 113, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(77, 113, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(77, 113, 62);  
box-shadow:4px 4px 4px 4px rgb(77, 113,  
62) }
```

Background

The CSS property to change the background color of an element to CIELCh 44, 33.605, 133.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(77, 113, 62) }
```

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

```
.background{ background-color: rgb(77, 113,  
62) }
```

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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