

Converting Colors

CIELCh(45, 39.844, 135.505)

Have a look what the booklet for
CIELCh(45, 39.844, 135.505)
contains.

CIELCh(45, 39.927, 135.569)	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(45, 39.927, 135.569)

Conversions

Conversions Part 1

Format	Color
Hex	47763A
RGB	71, 118, 58
RGB Percent	28%, 46%, 23%
CMY	0.7224, 0.5381, 0.7733
CMYK	0.40, 0.00, 0.51, 0.54
HSL	107°, 34%, 34%
HSV	107°, 51%, 46%
XYZ	9.7951, 14.5417, 6.2674
YIQ	97.1070, -8.7520, -28.6240

Conversions

Conversions Part 2

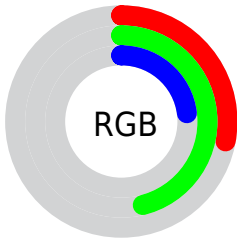
Format	Color
RYB	58, 118, 105
Decimal	4683322
CIELab	45.00, -28.51, 27.95
CIELCh	45, 39.927, 135.569
Yxy	14.5417, 0.3201, 0.4752
Android (android.graphics.Color)	4282873402 (0xFF47763A)
YUV	97.1070, -19.2798, -22.8958
Hunter-Lab	38.1336, -20.8838, 16.9490

Details

The CIELCh color **45, 39.927, 135.569** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **32, 40.799, 320.364**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 40.001, 135.831**, and **25, 39.943, 135.683** is the 20% darker color. If you saturate the color by 10%, you get **44, 47.023, 134.961**, and if you desaturate by 10%, it is **46, 32.380, 136.195**.

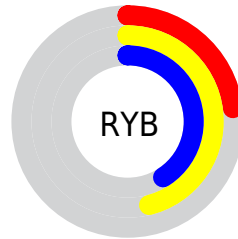
Distribution



Red (28%)

Green (46%)

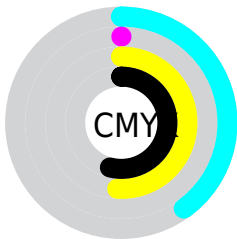
Blue (23%)



Red (23%)

Yellow (46%)

Blue (41%)

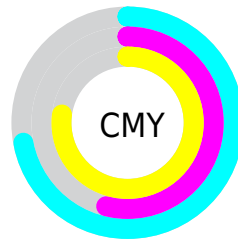


Cyan (40%)

Magenta (0%)

Yellow (51%)

Black (54%)



Cyan (72%)


Magenta (54%)


Yellow (77%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 39.927, 135.569 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 45, 39.927, 135.569 by changing the saturation by 10% instead.


 45, 39.927,
135.569


 45, 39.927,
135.569


 100, 39.927,
135.569


 35, 39.927,
135.569

 65, 39.927,
135.569


 25, 39.927,
135.569

 75, 39.927,
135.569

 15, 39.927,
135.569


 85, 39.927,
135.569

 5, 39.927, 135.569

 95, 39.927,
135.569

 0, 39.927, 135.569

 45, 39.927,

 45, 39.927,

135.569

135.569

■ 44, 47.023,
134.961

■ 46, 32.380,
136.195

■ 44, 53.425,
134.438

■ 47, 24.566,
136.796

■ 43, 58.837,
134.101

■ 47, 16.621,
137.352

■ 43, 62.951,
134.062

■ 48, 8.648, 137.856

■ 43, 65.926,
134.032

■ 49, 0.723, 138.471

■ 51, 7.102, 318.643

■ 52, 14.788,
318.987

■ 53, 22.309,
319.277

■ 54, 29.652,

319.526

Harmonies

Complementary

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



45, 39.927, 135.569



32, 40.799, 320.364

Rectangle

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



45, 39.927, 135.569



45, 39.927, 185.569



45, 39.927, 315.569



45, 39.927, 5.569

Sweetspot

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



45, 39.928, 135.570



61, 14.738, 137.638



45, 28.203, 93.507



31, 10.001, 137.555



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 39.928, 135.570



57, 58.136, 134.869



45, 34.798, 149.127



24, 4.435, 137.947



45, 67.803, 134.076



87, 115.781, 134.631

Inverse Universe

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



32, 40.799, 320.364



39, 59.478, 320.683



34, 35.023, 337.287



23, 4.461, 318.672



23, 68.500, 320.392



50, 116.339, 319.991

Previews

White Background



This preview shows how the CIELCh color 45, 39.927, 135.569 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 45, 39.927, 135.569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

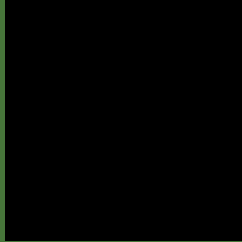
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 39.927, 135.569

Background



This preview shows how black text looks on a background with the CIELCh color 45, 39.927, 135.569.



This preview shows how white text looks on a background with the CIELCh color 45, 39.927, 135.569.

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


45, 39.927, 135.569

Protanopia

45, 30.654, 95.930

Deuteranopia

45, 26.945, 77.064



Tritanopia
45, 11.709, 225.850

Trichromacy



Original Color
45, 39.927, 135.569

Protanomaly
44, 31.983, 114.020

Deuteranomaly
44, 27.379, 105.232

Tritanomaly
45, 16.980, 163.243

Monochromacy



Original Color
45, 39.927, 135.569

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 15.305, 138.364

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 39.927, 135.569 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(71, 118, 58)` looks like.

```
.text, #text, p{  
    color:rgb(71, 118, 58)  
}
```

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(71, 118, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 118, 58) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 39.927, 135.569 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(71, 118, 58) }
```

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

```
.border{ border-color:rgb(71, 118, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 118, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 118, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 118, 58);  
box-shadow:4px 4px 4px 4px rgb(71, 118,  
58) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 39.927, 135.569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 118, 58) }
```

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

```
.background{ background-color: rgb(71, 118,  
58) }
```

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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