

Converting Colors

CIELCh(45, 22.953, 139.917)

Have a look what the booklet for
CIELCh(45, 22.953, 139.917)
contains.

CIELCh(45, 23.075, 139.536)	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, 23.075, 139.536)

Conversions

Conversions Part 1

Format	Color
Hex	557251
RGB	85, 114, 81
RGB Percent	33%, 45%, 32%
CMY	0.6669, 0.5532, 0.6826
CMYK	0.25, 0.00, 0.29, 0.55
HSL	113°, 17%, 38%
HSV	113°, 29%, 45%
XYZ	11.2336, 14.5417, 9.9874
YIQ	101.5670, -6.6910, -16.4110

Conversions

Conversions Part 2

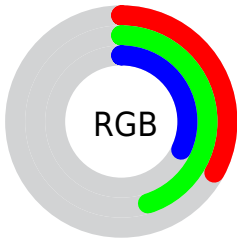
Format	Color
R_{YB}	81, 114, 110
Decimal	5599825
CIE _{Lab}	45.00, -17.56, 14.97
CIE _{LCh}	45, 23.075, 139.536
Yxy	14.5417, 0.3141, 0.4066
Android (android.graphics.Color)	4283789905 (0xFF557251)
YUV	101.5670, -10.1395, -14.5293
Hunter-Lab	38.1336, -14.1501, 11.1651

Details

The CIELCh color **45, 23.075, 139.536** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **39, 23.239, 322.412**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 23.377, 139.466**, and **25, 23.305, 139.917** is the 20% darker color. If you saturate the color by 10%, you get **44, 30.938, 138.843**, and if you desaturate by 10%, it is **46, 15.094, 140.158**.

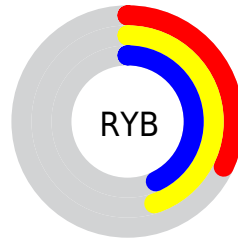
Distribution



Red (33%)

Green (45%)

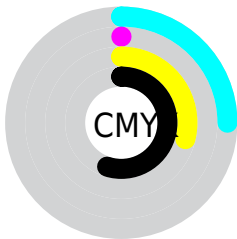
Blue (32%)



Red (32%)

Yellow (45%)

Blue (43%)

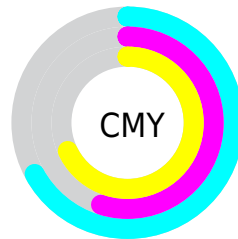


Cyan (25%)

Magenta (0%)

Yellow (29%)

Black (55%)



Cyan (67%)


Magenta (55%)


Yellow (68%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.075, 139.536 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, 23.075, 139.536 by changing the saturation by 10% instead.


 45, 23.075,
139.536


 45, 23.075,
139.536


 100, 23.075,
139.536


 35, 23.075,
139.536

 65, 23.075,
139.536


 25, 23.075,
139.536

 75, 23.075,
139.536

 15, 23.075,
139.536

 85, 23.075,
139.536

 5, 23.075, 139.536

 95, 23.075,
139.536

 0, 23.075, 139.536

 45, 23.075,

 45, 23.075,

139.536

139.536

■ 44, 30.938,
138.843

■ 46, 15.094,
140.158

■ 43, 38.538,
138.089

■ 47, 7.101, 140.712

■ 43, 45.687,
137.304

■ 48, 0.824, 320.976

■ 49, 8.623, 321.548

■ 42, 52.149,
136.548

■ 51, 16.257,
321.904

■ 42, 57.634,
135.911

■ 52, 23.702,
322.204

■ 42, 61.837,
135.507

■ 54, 30.943,
322.460

■ 41, 64.967,
135.162

■ 55, 37.975,
322.678

■ 41, 65.283,
135.098

■ 57, 44.797,

Harmonies

Complementary

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



45, 23.075, 139.536



39, 23.239, 322.412

Rectangle

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



45, 23.075, 139.536



45, 23.075, 189.536



45, 23.075, 319.536



45, 23.075, 9.536

Sweetspot

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



45, 23.076, 139.537



60, 8.833, 140.697



46, 16.937, 101.121



31, 6.103, 140.636



81, 0.010, 296.813



31, 0.005, 296.813

Same Dimension

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



45, 23.076, 139.537



57, 34.472, 139.062



45, 18.368, 154.824



23, 4.400, 140.710



43, 67.723, 135.141



86, 116.253, 135.520

Inverse Universe

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



39, 23.239, 322.412



47, 34.750, 322.713



39, 18.666, 339.252



22, 4.417, 321.498



25, 66.681, 323.729



54, 113.962, 323.480

Previews

White Background



This preview shows how the CIELCh color 45, 23.075, 139.536 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 45, 23.075, 139.536 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, 23.075, 139.536

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.075, 139.536.



This preview shows how white text looks on a background with the CIELCh color 45, 23.075, 139.536.

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

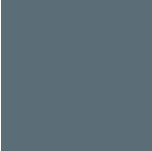
45, 23.075, 139.536

Protanopia

45, 17.537, 95.756

Deuteranopia

45, 14.721, 66.270



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color
45, 23.075, 139.536

Protanomaly
45, 18.449, 115.885

Deuteranomaly
45, 13.747, 100.782

Tritanomaly
45, 9.501, 176.135

Monochromacy



Original Color
45, 23.075, 139.536

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 8.344, 139.301

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.075, 139.536 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, 114, 81)` looks like.

```
.text, #text, p{  
    color:rgb(85, 114, 81)  
}
```

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, 114, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 114, 81) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.075, 139.536 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, 114, 81) }
```

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

```
.border{ border-color:rgb(85, 114, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 114, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 114, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 114, 81);  
box-shadow:4px 4px 4px 4px rgb(85, 114,  
81) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.075, 139.536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 114, 81) }
```

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

```
.background{ background-color: rgb(85, 114,  
81) }
```

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