

Converting Colors

CIELCh(45, 23.835, 139.555)

Have a look what the booklet for
CIELCh(45, 23.835, 139.555)
contains.

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Color

CIELCh(45, 23.798, 139.571)

Conversions

Conversions Part 1

Format	Color
Hex	547250
RGB	84, 114, 80
RGB Percent	33%, 45%, 31%
CMY	0.6700, 0.5523, 0.6857
CMYK	0.26, 0.00, 0.30, 0.55
HSL	113°, 18%, 38%
HSV	113°, 30%, 45%
XYZ	11.1570, 14.5417, 9.8360
YIQ	101.1540, -6.9660, -16.9340

Conversions

Conversions Part 2

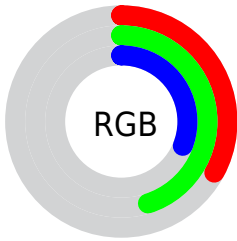
Format	Color
RYB	80, 114, 110
Decimal	5534288
CIELab	45.00, -18.12, 15.43
CIELCh	45, 23.798, 139.571
Yxy	14.5417, 0.3140, 0.4092
Android (android.graphics.Color)	4283724368 (0xFF547250)
YUV	101.1540, -10.4289, -15.0441
Hunter-Lab	38.1336, -14.5090, 11.4006

Details

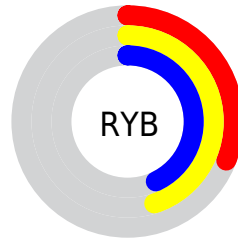
The CIELCh color **45, 23.798, 139.571** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **38, 23.965, 322.551**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 24.057, 139.532**, and **25, 24.068, 139.849** is the 20% darker color. If you saturate the color by 10%, you get **44, 31.665, 138.868**, and if you desaturate by 10%, it is **46, 15.801, 140.203**.

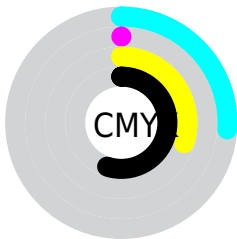
Distribution



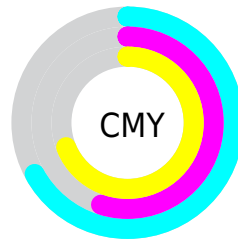
- Red (33%)
- Green (45%)
- Blue (31%)



- Red (31%)
- Yellow (45%)
- Blue (43%)



- Cyan (26%)
- Magenta (0%)
- Yellow (30%)
- Black (55%)





- Cyan (67%)
- Magenta (55%)
- Yellow (69%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 23.798, 139.571 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, 23.798, 139.571 by changing the saturation by 10% instead.


 45, 23.798,
139.571


 45, 23.798,
139.571


 100, 23.798,
139.571


 35, 23.798,
139.571

 65, 23.798,
139.571


 25, 23.798,
139.571

 75, 23.798,
139.571

 15, 23.798,
139.571

 85, 23.798,
139.571

 5, 23.798, 139.571

 95, 23.798,
139.571

 0, 23.798, 139.571

 45, 23.798,

 45, 23.798,

139.571

139.571

■ 44, 31.665,
138.868

■ 46, 15.801,
140.203

■ 43, 39.253,
138.104

■ 47, 7.784, 140.764

■ 43, 46.369,
137.312

■ 48, 0.170, 320.323

■ 49, 8.001, 321.615

■ 42, 52.771,
136.553

■ 51, 15.669,
321.978

■ 42, 58.165,
135.921

■ 52, 23.147,
322.283

■ 42, 62.247,
135.531

■ 54, 30.422,
322.543

■ 41, 65.336,
135.144

■ 55, 37.486,
322.765

■ 41, 65.399,
135.131

■ 57, 44.339,

Harmonies

Complementary

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



45, 23.798, 139.571



38, 23.965, 322.551

Rectangle

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



45, 23.798, 139.571



45, 23.798, 189.571



45, 23.798, 319.571



45, 23.798, 9.571

Sweetspot

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



45, 23.799, 139.572



60, 8.842, 140.794



46, 17.448, 101.032



31, 6.109, 140.732



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, 23.799, 139.572



57, 35.478, 139.077



45, 18.919, 154.744



23, 4.405, 140.807



43, 67.750, 135.171



86, 116.289, 135.543

Inverse Universe

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



38, 23.965, 322.551



47, 35.758, 322.859



38, 19.233, 339.322



22, 4.421, 321.597



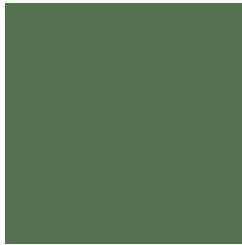
25, 66.658, 323.853



54, 113.919, 323.611

Previews

White Background



This preview shows how the CIELCh color 45, 23.798, 139.571 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, 23.798, 139.571 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

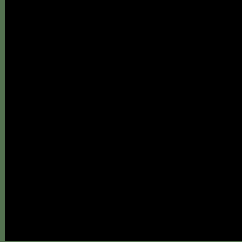
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 23.798, 139.571

Background



This preview shows how black text looks on a background with the CIELCh color 45, 23.798, 139.571.



This preview shows how white text looks on a background with the CIELCh color 45, 23.798, 139.571.

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

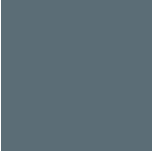
45, 23.798, 139.571

Protanopia

45, 17.537, 95.756

Deuteranopia

45, 15.186, 67.625



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color
45, 23.798, 139.571

Protanomaly
45, 18.449, 115.885

Deuteranomaly
45, 14.331, 100.980

Tritanomaly
45, 9.780, 172.960

Monochromacy



Original Color
45, 23.798, 139.571

Achromatopsia
43, 0.006, 296.813

Achromatomaly
44, 9.080, 139.620

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 23.798, 139.571 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(84, 114, 80)` looks like.

```
.text, #text, p{  
    color:rgb(84, 114, 80)  
}
```

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(84, 114, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 114, 80) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 23.798, 139.571 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(84, 114, 80) }
```

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

```
.border{ border-color:rgb(84, 114, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 114, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 114, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 114, 80);  
box-shadow:4px 4px 4px 4px rgb(84, 114,  
80) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 23.798, 139.571 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 114, 80) }
```

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

```
.background{ background-color: rgb(84, 114,  
80) }
```

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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