

Converting Colors

CIELCh(45, 29.098, 134.594)

Have a look what the booklet for
CIELCh(45, 29.098, 134.594)
contains.

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Color

CIELCh(45, 29.218, 134.759)

Conversions

Conversions Part 1

Format	Color
Hex	537347
RGB	83, 115, 71
RGB Percent	33%, 45%, 28%
CMY	0.6747, 0.5492, 0.7217
CMYK	0.28, 0.00, 0.38, 0.55
HSL	104°, 24%, 36%
HSV	104°, 38%, 45%
XYZ	10.8243, 14.5417, 8.1901
YIQ	100.4160, -4.9480, -20.4680

Conversions

Conversions Part 2

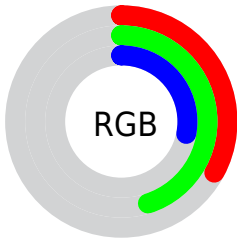
Format	Color
RYB	71, 115, 103
Decimal	5468999
CIELab	45.00, -20.57, 20.75
CIElCh	45, 29.218, 134.759
Yxy	14.5417, 0.3226, 0.4334
Android (android.graphics.Color)	4283659079 (0xFF537347)
YUV	100.4160, -14.5021, -15.2738
Hunter-Lab	38.1336, -16.0662, 13.9595

Details

The CIELCh color **45, 29.218, 134.759** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **35, 29.925, 318.149**, and the grayscale version is **43, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 29.024, 134.492**, and **25, 29.599, 134.510** is the 20% darker color. If you saturate the color by 10%, you get **44, 36.586, 134.202**, and if you desaturate by 10%, it is **46, 21.645, 135.301**.

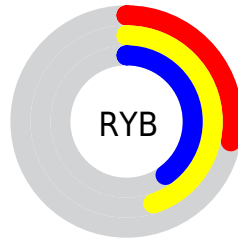
Distribution



Red (33%)

Green (45%)

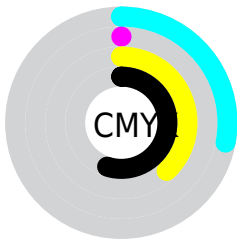
Blue (28%)



Red (28%)

Yellow (45%)

Blue (40%)

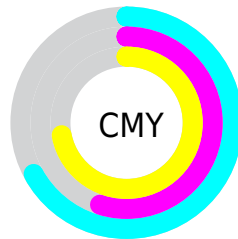


Cyan (28%)

Magenta (0%)

Yellow (38%)

Black (55%)



Cyan (67%)


Magenta (55%)

Yellow (72%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 29.218, 134.759 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 45, 29.218, 134.759 by changing the saturation by 10% instead.


 45, 29.218,
134.759


 45, 29.218,
134.759


 100, 29.218,
134.759


 35, 29.218,
134.759

 65, 29.218,
134.759


 25, 29.218,
134.759

 75, 29.218,
134.759

 15, 29.218,
134.759

 85, 29.218,
134.759

 5, 29.218, 134.759

 95, 29.218,
134.759

 0, 29.218, 134.759

 45, 29.218,

 45, 29.218,

134.759

134.759

■ 44, 36.586,
134.202

■ 46, 21.645,
135.301

■ 44, 43.588,
133.664

■ 47, 13.979,
135.807

■ 43, 50.016,
133.211

■ 48, 6.305, 136.273

■ 43, 55.601,
132.932

■ 49, 1.316, 316.564

■ 50, 8.838, 317.003

■ 42, 60.043,
132.941

■ 51, 16.232,
317.322

■ 42, 63.462,
133.114

■ 52, 23.476,
317.596

■ 42, 64.043,
133.104

■ 53, 30.559,
317.832

■ 55, 37.472,

Harmonies

Complementary

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



45, 29.218, 134.759



35, 29.925, 318.149

Rectangle

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



45, 29.218, 134.759



45, 29.218, 184.759



45, 29.218, 314.759



45, 29.218, 4.759

Sweetspot

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



45, 29.219, 134.760



61, 10.466, 136.136



44, 19.631, 90.330



32, 7.090, 136.088



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, 29.219, 134.760



57, 43.506, 134.261



44, 27.304, 148.177



24, 4.362, 136.238



45, 67.054, 133.189



87, 114.615, 133.844

Inverse Universe

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



35, 29.925, 318.149



43, 44.774, 318.485



36, 27.430, 333.531



23, 4.393, 316.936



22, 69.102, 318.552



48, 117.454, 318.076

Previews

White Background



This preview shows how the CIELCh color 45, 29.218, 134.759 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 45, 29.218, 134.759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

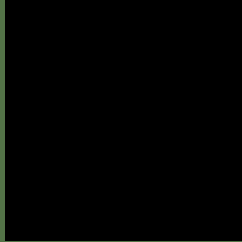
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

CIELCh 45, 29.218, 134.759

Background



This preview shows how black text looks on a background with the CIELCh color 45, 29.218, 134.759.



This preview shows how white text looks on a background with the CIELCh color 45, 29.218, 134.759.

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

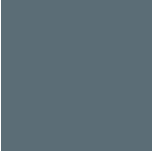
45, 29.218, 134.759

Protanopia

45, 23.415, 95.391

Deuteranopia

45, 20.476, 73.268



Tritanopia
45, 8.541, 237.974

Trichromacy



Original Color
45, 29.218, 134.759

Protanomaly
45, 24.072, 112.184

Deuteranomaly
45, 20.103, 102.083

Tritanomaly
45, 11.087, 165.547

Monochromacy



Original Color
45, 29.218, 134.759

Achromatopsia
42, 0.006, 296.813

Achromatomaly
43, 10.685, 134.718

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 29.218, 134.759 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(83, 115, 71)` looks like.

```
.text, #text, p{  
    color:rgb(83, 115, 71)  
}
```

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(83, 115, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 115, 71) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 29.218, 134.759 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(83, 115, 71) }
```

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

```
.border{ border-color:rgb(83, 115, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 115, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 115, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 115, 71);  
box-shadow:4px 4px 4px 4px rgb(83, 115,  
71) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 29.218, 134.759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 115, 71) }
```

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

```
.background{ background-color: rgb(83, 115,  
71) }
```

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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