

Converting Colors

CIELCh(45, 29.752, 159.282)

Have a look what the booklet for
CIELCh(45, 29.752, 159.282)
contains.

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Color

CIELCh(45, 29.599, 159.208)

Conversions

Conversions Part 1

Format	Color
Hex	387658
RGB	56, 118, 88
RGB Percent	22%, 46%, 35%
CMY	0.7798, 0.5367, 0.6544
CMYK	0.52, 0.00, 0.25, 0.54
HSL	151°, 36%, 34%
HSV	151°, 52%, 46%
XYZ	9.9008, 14.5417, 11.5464
YIQ	96.0420, -27.3220, -22.4740

Conversions

Conversions Part 2

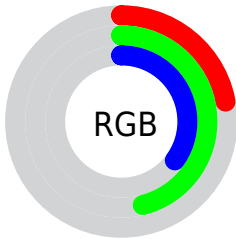
Format	Color
RYB	56, 97, 118
Decimal	3700312
CIELab	45.00, -27.67, 10.51
CIElCh	45, 29.599, 159.208
Yxy	14.5417, 0.2751, 0.4041
Android (android.graphics.Color)	4281890392 (0xFF387658)
YUV	96.0420, -3.9647, -35.1168
Hunter-Lab	38.1336, -20.3890, 8.7413

Details


The CIELCh color **45, 29.599, 159.208** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **33, 31.420, 350.019**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 29.687, 158.933**, and **25, 29.339, 158.117** is the 20% darker color. If you saturate the color by 10%, you get **44, 34.473, 157.782**, and if you desaturate by 10%, it is **46, 24.357, 160.474**.

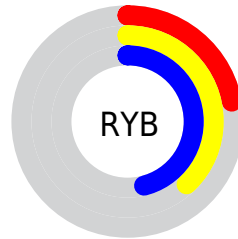
Distribution



 Red (22%)

 Green (46%)

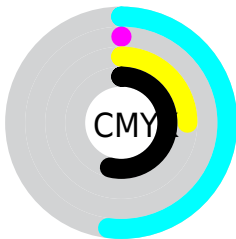
 Blue (35%)




 Red (22%)

 Yellow (38%)

 Blue (46%)

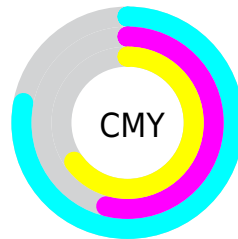


 Cyan (52%)

 Magenta (0%)

 Yellow (25%)

 Black (54%)



 Cyan (78%)

 Magenta (54%)

 Yellow (65%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 29.599, 159.208 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, 29.599, 159.208 by changing the saturation by 10% instead.


 45, 29.599,
159.208


 45, 29.599,
159.208


 100, 29.599,
159.208


 35, 29.599,
159.208

 65, 29.599,
159.208


 25, 29.599,
159.208

 75, 29.599,
159.208

 15, 29.599,
159.208

 85, 29.599,
159.208

 5, 29.599, 159.208

 95, 29.599,
159.208

 0, 29.599, 159.208

 45, 29.599,

 45, 29.599,

159.208

■ 44, 34.473,
157.782

■ 44, 38.898,
156.176

■ 44, 42.821,
154.379

■ 43, 46.225,
152.391

■ 43, 48.627,
150.946

159.208

■ 46, 24.357,
160.474

■ 46, 18.835,
161.602

■ 47, 13.122,
162.616

■ 48, 7.302, 163.540

■ 49, 1.446, 164.519

■ 51, 4.388, 345.015

■ 52, 10.155,
345.746

■ 53, 15.820,
346.399

■ 55, 21.361,

Harmonies

Complementary

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



45, 29.599, 159.208



33, 31.420, 350.019

Rectangle

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



45, 29.599, 159.208



45, 29.599, 209.208



45, 29.599, 339.208



45, 29.599, 29.208

Sweetspot

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



45, 29.600, 159.207



61, 11.565, 163.187



46, 37.888, 126.759



31, 7.759, 163.043



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, 29.600, 159.207



57, 42.730, 157.463



46, 20.783, 197.168



24, 3.274, 163.848



45, 49.968, 150.852



87, 87.070, 149.494

Inverse Universe

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



33, 31.420, 350.019



39, 45.422, 352.028



32, 29.952, 25.141



23, 3.315, 345.195



25, 49.243, 1.817



54, 83.210, 4.454

Previews

White Background



This preview shows how the CIELCh color 45, 29.599, 159.208 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, 29.599, 159.208 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, 29.599, 159.208

Background



This preview shows how black text looks on a background with the CIELCh color 45, 29.599, 159.208.



This preview shows how white text looks on a background with the CIELCh color 45, 29.599, 159.208.

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, 29.599, 159.208

Protanopia

45, 14.564, 95.715

Deuteranopia

45, 10.300, 55.245



Tritanopia
45, 17.013, 216.295

Trichromacy



Original Color
45, 29.599, 159.208

Protanomaly
44, 17.270, 134.469

Deuteranomaly
44, 11.170, 133.399

Tritanomaly
45, 19.654, 186.646

Monochromacy



Original Color
45, 29.599, 159.208

Achromatopsia
41, 0.006, 296.813

Achromatomaly
42, 11.261, 161.921

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 29.599, 159.208 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(56, 118, 88)` looks like.

```
.text, #text, p{  
    color:rgb(56, 118, 88)  
}
```

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(56, 118, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 118, 88) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 29.599, 159.208 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(56, 118, 88) }
```

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

```
.border{ border-color:rgb(56, 118, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 118, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 118, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 118, 88);  
box-shadow:4px 4px 4px 4px rgb(56, 118,  
88) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 29.599, 159.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 118, 88) }
```

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

```
.background{ background-color: rgb(56, 118,  
88) }
```

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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