

Converting Colors

CIELCh(45, 13.029, 144.425)

Have a look what the booklet for
CIELCh(45, 13.029, 144.425)
contains.

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Color

CIELCh(45, 12.639, 145.013)

Conversions

Conversions Part 1

Format	Color
Hex	5D6F5E
RGB	93, 111, 94
RGB Percent	36%, 44%, 37%
CMY	0.6348, 0.5642, 0.6309
CMYK	0.16, 0.00, 0.15, 0.56
HSL	123°, 9%, 40%
HSV	123°, 16%, 44%
XYZ	12.2520, 14.5417, 12.7807
YIQ	103.6800, -5.2710, -9.1030

Conversions

Conversions Part 2

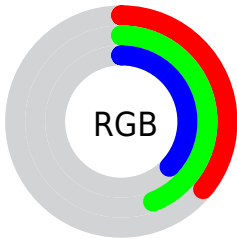
Format	Color
R_{YB}	93, 110, 111
Decimal	6123358
CIE _{Lab}	45.00, -10.35, 7.25
CIE _{LCh}	45, 12.639, 145.013
Yxy	14.5417, 0.3096, 0.3675
Android (android.graphics.Color)	4284313438 (0xFF5D6F5E)
YUV	103.6800, -4.7722, -9.3664
Hunter-Lab	38.1336, -9.3835, 6.8221

Details

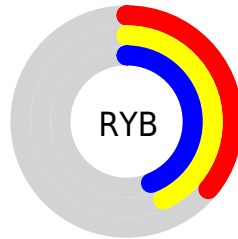
The CIELCh color **45, 12.639, 145.013** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 12.657, 326.815**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 13.129, 145.089**, and **25, 12.341, 144.693** is the 20% darker color. If you saturate the color by 10%, you get **44, 20.482, 144.281**, and if you desaturate by 10%, it is **46, 4.809, 145.660**.

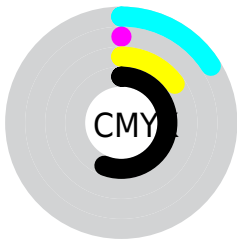
Distribution



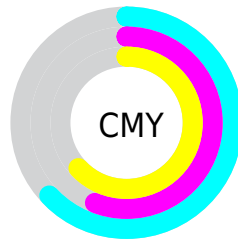
- Red (36%)
- Green (44%)
- Blue (37%)



- Red (36%)
- Yellow (43%)
- Blue (44%)



- Cyan (16%)
- Magenta (0%)
- Yellow (15%)
- Black (56%)





- Cyan (63%)
- Magenta (56%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.639, 145.013 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, 12.639, 145.013 by changing the saturation by 10% instead.


 45, 12.639,
145.013


 45, 12.639,
145.013


 100, 12.639,
145.013


 35, 12.639,
145.013

 65, 12.639,
145.013


 25, 12.639,
145.013

 75, 12.639,
145.013

 15, 12.639,
145.013


 85, 12.639,
145.013

 5, 12.639, 145.013

 95, 12.639,
145.013

 0, 12.639, 145.013

 45, 12.639,

 45, 12.639,

145.013

■ 44, 20.482,
144.281

■ 43, 28.223,
143.440

■ 42, 35.720,
142.480

■ 42, 42.801,
141.408

■ 41, 49.260,
140.249

■ 41, 54.866,
139.059

■ 41, 59.377,
137.932

■ 40, 62.633,
137.048

145.013

■ 46, 4.809, 145.660

■ 47, 2.930, 326.099

■ 49, 10.516,
326.601

■ 50, 17.910,
327.002

■ 52, 25.090,
327.344

■ 53, 32.043,
327.640

■ 55, 38.766,
327.896

■ 57, 45.262,
328.119

■ 40, 63.672,
136.828

■ 58, 51.538,
328.314

Harmonies

Complementary

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



45, 12.639, 145.013



42, 12.657, 326.815

Rectangle

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



45, 12.639, 145.013



45, 12.639, 195.013



45, 12.639, 325.013



45, 12.639, 15.013

Sweetspot

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



45, 12.640, 145.013



60, 4.827, 145.729



46, 10.617, 110.786



31, 3.320, 145.694



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, 12.640, 145.013



58, 18.493, 144.782



45, 8.791, 165.101



23, 4.405, 145.483



43, 67.303, 136.762



85, 116.134, 136.337

Inverse Universe

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



42, 12.657, 326.815



53, 18.515, 326.995



42, 9.007, 347.790



22, 4.413, 326.419



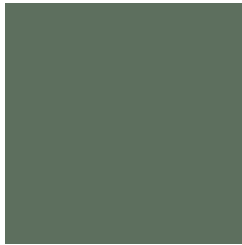
27, 63.408, 330.480



58, 108.033, 330.617

Previews

White Background



This preview shows how the CIELCh color 45, 12.639, 145.013 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, 12.639, 145.013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

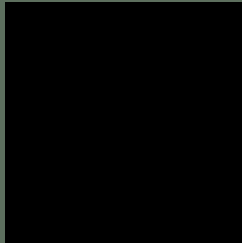
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

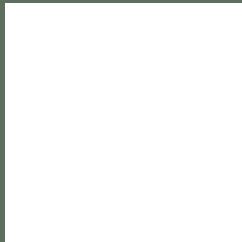
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 12.639, 145.013

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.639, 145.013.



This preview shows how white text looks on a background with the CIELCh color 45, 12.639, 145.013.

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

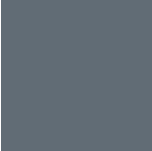
45, 12.639, 145.013

Protanopia

45, 8.709, 91.596

Deuteranopia

45, 8.597, 44.635



Tritanopia
45, 6.754, 251.985

Trichromacy



Original Color
45, 12.639, 145.013

Protanomaly
45, 8.994, 117.106

Deuteranomaly
45, 6.319, 89.493

Tritanomaly
45, 5.163, 198.864

Monochromacy



Original Color
45, 12.639, 145.013

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 5.109, 144.121

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.639, 145.013 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(93, 111, 94)` looks like.

```
.text, #text, p{  
    color:rgb(93, 111, 94)  
}
```

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(93, 111, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 111, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.639, 145.013 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(93, 111, 94) }
```

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

```
.border{ border-color:rgb(93, 111, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 111, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 111, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 111, 94);  
box-shadow:4px 4px 4px 4px rgb(93, 111,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.639, 145.013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 111, 94) }
```

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

```
.background{ background-color: rgb(93, 111,  
94) }
```

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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