

Converting Colors

CIELCh(45, 12.449, 147.138)

Have a look what the booklet for
CIELCh(45, 12.449, 147.138)
contains.

CIELCh(45, 12.157, 146.636)	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, 12.157, 146.636)

Conversions

Conversions Part 1

Format	Color
Hex	5D6F5F
RGB	93, 111, 95
RGB Percent	36%, 44%, 37%
CMY	0.6350, 0.5644, 0.6272
CMYK	0.16, 0.00, 0.14, 0.56
HSL	127°, 9%, 40%
HSV	127°, 16%, 44%
XYZ	12.2813, 14.5417, 13.0017
YIQ	103.7940, -5.5920, -8.7920

Conversions

Conversions Part 2

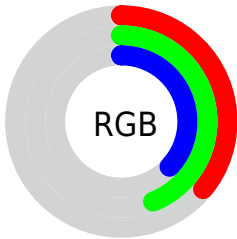
Format	Color
R _{YB}	93, 109, 111
Decimal	6123359
CIE Lab	45.00, -10.15, 6.69
CIE LCh	45, 12.157, 146.636
Yxy	14.5417, 0.3084, 0.3651
Android (android.graphics.Color)	4284313439 (0xFF5D6F5F)
YUV	103.7940, -4.3354, -9.4663
Hunter-Lab	38.1336, -9.2461, 6.4785

Details

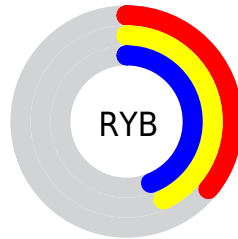
The CIELCh color **45, 12.157, 146.636** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **42, 12.181, 328.492**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 12.679, 146.539**, and **25, 11.810, 146.532** is the 20% darker color. If you saturate the color by 10%, you get **44, 19.697, 145.889**, and if you desaturate by 10%, it is **46, 4.629, 147.300**.

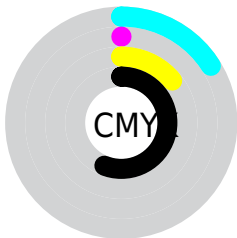
Distribution



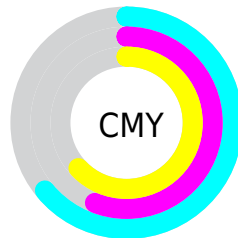
- Red (36%)
- Green (44%)
- Blue (37%)



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



- Cyan (16%)
- Magenta (0%)
- Yellow (14%)
- Black (56%)




- Cyan (64%)
- Magenta (56%)
- Yellow (63%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 45, 12.157, 146.636 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, 12.157, 146.636 by changing the saturation by 10% instead.


 45, 12.157,
146.636


 45, 12.157,
146.636


 100, 12.157,
146.636


 35, 12.157,
146.636

 65, 12.157,
146.636


 25, 12.157,
146.636

 75, 12.157,
146.636

 15, 12.157,
146.636


 85, 12.157,
146.636

 5, 12.157, 146.636

 95, 12.157,
146.636

 0, 12.157, 146.636

 45, 12.157,

 45, 12.157,

146.636

■ 44, 19.697,
145.889

■ 43, 27.145,
145.029

■ 42, 34.371,
144.045

■ 42, 41.224,
142.933

■ 41, 47.527,
141.706

■ 41, 53.092,
140.401

■ 41, 57.722,
139.085

■ 40, 61.296,
137.927

146.636

■ 46, 4.629, 147.300

■ 47, 2.812, 327.744

■ 49, 10.109,
328.267

■ 50, 17.226,
328.687

■ 52, 24.138,
329.048

■ 53, 30.834,
329.363

■ 55, 37.310,
329.639

■ 56, 43.569,
329.883

■ 40, 62.421,
137.635

■ 58, 49.617,
330.099

Harmonies

Complementary

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



45, 12.157, 146.636



42, 12.181, 328.492

Rectangle

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



45, 12.157, 146.636



45, 12.157, 196.636



45, 12.157, 326.636



45, 12.157, 16.636

Sweetspot

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



45, 12.158, 146.636



60, 4.643, 147.371



46, 10.643, 112.861



31, 3.194, 147.335



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, 12.158, 146.636



58, 17.788, 146.400



45, 8.483, 168.043



23, 4.237, 147.118



43, 66.083, 137.521



85, 114.700, 136.850

Inverse Universe

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



42, 12.181, 328.492



53, 17.821, 328.680



41, 8.742, 350.826



22, 4.246, 328.078



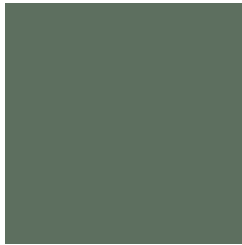
27, 60.802, 333.009



57, 103.346, 333.317

Previews

White Background



This preview shows how the CIELCh color 45, 12.157, 146.636 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, 12.157, 146.636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

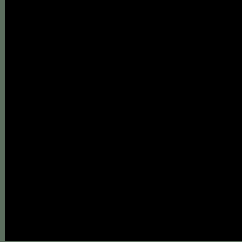
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 12.157, 146.636

Background



This preview shows how black text looks on a background with the CIELCh color 45, 12.157, 146.636.



This preview shows how white text looks on a background with the CIELCh color 45, 12.157, 146.636.

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

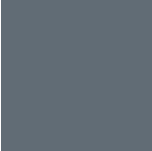
45, 12.157, 146.636

Protanopia

45, 8.589, 94.377

Deuteranopia

45, 8.337, 41.046



Tritanopia
45, 6.754, 251.985

Trichromacy



Original Color
45, 12.157, 146.636

Protanomaly
45, 9.070, 119.754

Deuteranomaly
45, 5.759, 87.633

Tritanomaly
45, 5.163, 198.864

Monochromacy



Original Color
45, 12.157, 146.636

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 4.626, 148.275

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 12.157, 146.636 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, 95)` looks like.

```
.text, #text, p{  
    color:rgb(93, 111, 95)  
}
```

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, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 111, 95) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 12.157, 146.636 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, 95) }
```

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

```
.border{ border-color:rgb(93, 111, 95) }
```

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, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 111, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 111, 95);  
box-shadow:4px 4px 4px 4px rgb(93, 111,  
95) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 12.157, 146.636 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, 95) }
```

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

```
.background{ background-color: rgb(93, 111,  
95) }
```

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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