

Converting Colors

CIELCh(45, 10.237, 147.393)

Have a look what the booklet for
CIELCh(45, 10.237, 147.393)
contains.

CIELCh(45, 9.977, 147.500)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	26

Color

CIELCh(45, 9.977, 147.500)

Conversions

Conversions Part 1

Format	Color
Hex	5F6E61
RGB	95, 110, 97
RGB Percent	37%, 43%, 38%
CMY	0.6262, 0.5673, 0.6184
CMYK	0.14, 0.00, 0.12, 0.57
HSL	128°, 7%, 40%
HSV	128°, 14%, 43%
XYZ	12.5365, 14.5417, 13.5337
YIQ	104.0330, -4.7670, -7.2230

Conversions

Conversions Part 2

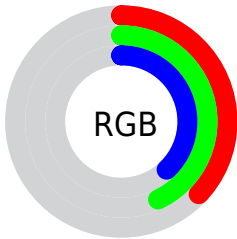
Format	Color
R _Y B	95, 108, 110
Decimal	6254177
CIE Lab	45.00, -8.41, 5.36
CIE LCh	45, 9.977, 147.500
Yxy	14.5417, 0.3087, 0.3581
Android (android.graphics.Color)	4284444257 (0xFF5F6E61)
YUV	104.0330, -3.4673, -7.9219
Hunter-Lab	38.1336, -8.0515, 5.6514

Details

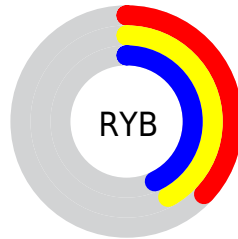
The CIELCh color $45, 9.977, 147.500$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 10.000, 329.047$, and the grayscale version is $44, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 9.962, 147.466$, and $25, 9.417, 147.749$ is the 20% darker color. If you saturate the color by 10%, you get $44, 17.364, 146.772$, and if you desaturate by 10%, it is $46, 2.624, 148.174$.

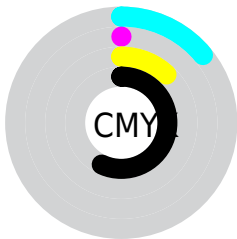
Distribution



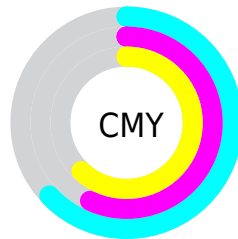
- Red (37%)
- Green (43%)
- Blue (38%)



- Red (37%)
- Yellow (42%)
- Blue (43%)



- Cyan (14%)
- Magenta (0%)
- Yellow (12%)
- Black (57%)









- Cyan (63%)
- Magenta (57%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.977, 147.500 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, 9.977, 147.500 by changing the saturation by 10% instead.

 45, 9.977, 147.500	 45, 9.977, 147.500
 100, 9.977, 147.500	 35, 9.977, 147.500
 65, 9.977, 147.500	 25, 9.977, 147.500
 75, 9.977, 147.500	 15, 9.977, 147.500
 85, 9.977, 147.500	 5, 9.977, 147.500
 95, 9.977, 147.500	 0, 9.977, 147.500

 45, 9.977, 147.500	 45, 9.977, 147.500
 44, 17.364, 146.772	 46, 2.624, 148.174
 43, 24.690,	 47, 4.630, 328.598

145.937

■ 49, 11.733,
329.089

■ 42, 31.837,
144.978

■ 50, 18.654,
329.500

■ 42, 38.668,
143.887

■ 52, 25.371,
329.857

■ 41, 45.023,
142.668

■ 53, 31.877,
330.170

■ 41, 50.727,
141.344

■ 55, 38.169,
330.446

■ 40, 55.605,
139.967

■ 56, 44.249,
330.691

■ 40, 59.502,
138.638

■ 58, 50.125,
330.910

■ 40, 61.556,
138.019

Harmonies

Complementary

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



45, 9.977, 147.500



42, 10.000, 329.047

Rectangle

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



45, 9.977, 147.500



45, 9.977, 197.500



45, 9.977, 327.500



45, 9.977, 17.500

Sweetspot

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



45, 9.978, 147.500



59, 3.600, 148.136



46, 8.899, 113.746



30, 2.542, 148.093



80, 0.010, 296.813



30, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



45, 9.978, 147.500



57, 14.518, 147.304



45, 7.008, 169.317



23, 4.171, 147.806



43, 65.512, 137.883



85, 113.919, 137.133

Inverse Universe

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



42, 10.000, 329.047



53, 14.551, 329.211



42, 7.200, 351.617



22, 4.181, 328.778



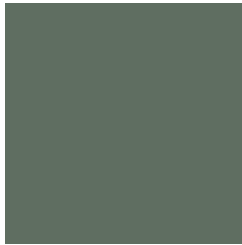
27, 59.798, 334.103



57, 101.549, 334.490

Previews

White Background



This preview shows how the CIELCh color 45, 9.977, 147.500 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, 9.977, 147.500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

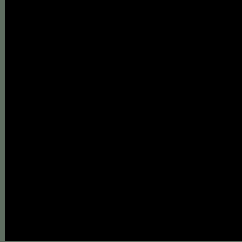
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

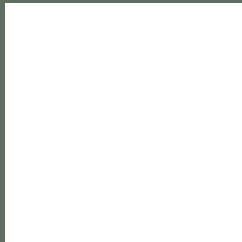
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 9.977, 147.500

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.977, 147.500.



This preview shows how white text looks on a background with the CIELCh color 45, 9.977, 147.500.

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, 9.977, 147.500

Protanopia

45, 6.872, 91.048

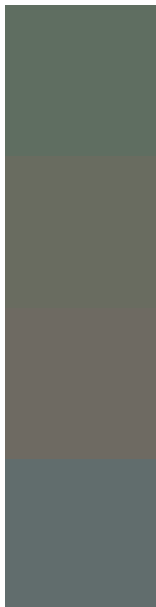
Deuteranopia

45, 7.262, 39.175



Tritanopia
45, 6.075, 251.105

Trichromacy



Original Color
45, 9.977, 147.500

Protanomaly
45, 7.241, 119.263

Deuteranomaly
45, 5.040, 89.815

Tritanomaly
45, 4.777, 198.915

Monochromacy



Original Color
45, 9.977, 147.500

Achromatopsia
44, 0.006, 296.813

Achromatomaly
44, 3.171, 150.311

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.977, 147.500 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(95, 110, 97)` looks like.

```
.text, #text, p{  
    color:rgb(95, 110, 97)  
}
```

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(95, 110, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 110, 97) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.977, 147.500 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(95, 110, 97) }
```

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

```
.border{ border-color:rgb(95, 110, 97) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 110, 97)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 110, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 110, 97);  
box-shadow:4px 4px 4px 4px rgb(95, 110,  
97) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.977, 147.500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 110, 97) }
```

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

```
.background{ background-color: rgb(95, 110,  
97) }
```

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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