

Converting Colors

CIELCh(45, 6.327, 148.045)

Have a look what the booklet for
CIELCh(45, 6.327, 148.045) contains.

CIELCh(45, 6.334, 149.999)	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, 6.334, 149.999)

Conversions

Conversions Part 1

Format	Color
Hex	636D65
RGB	99, 109, 101
RGB Percent	39%, 43%, 40%
CMY	0.6116, 0.5724, 0.6038
CMYK	0.09, 0.00, 0.07, 0.57
HSL	132°, 5%, 41%
HSV	132°, 9%, 43%
XYZ	12.9743, 14.5417, 14.4457
YIQ	105.0980, -3.3920, -4.6080

Conversions

Conversions Part 2

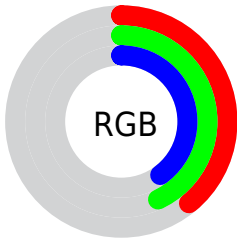
Format	Color
R _Y B	99, 107, 109
Decimal	6516069
CIE Lab	45.00, -5.49, 3.17
CIE LCh	45, 6.334, 149.999
Yxy	14.5417, 0.3092, 0.3465
Android (android.graphics.Color)	4284706149 (0xFF636D65)
YUV	105.0980, -2.0203, -5.3479
Hunter-Lab	38.1336, -6.0021, 4.2334

Details

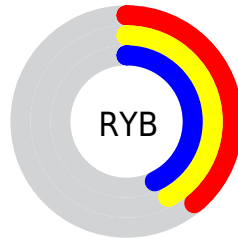
The CIELCh color **45, 6.334, 149.999** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **43, 6.355, 331.033**, and the grayscale version is **44, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 5.898, 150.184**, and **25, 6.995, 149.603** is the 20% darker color. If you saturate the color by 10%, you get **44, 13.301, 149.284**, and if you desaturate by 10%, it is **46, 0.573, 330.228**.

Distribution



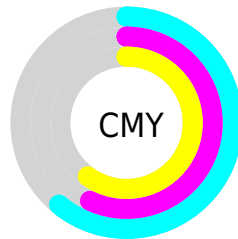
- Red (39%)
- Green (43%)
- Blue (40%)



- Red (39%)
- Yellow (42%)
- Blue (43%)



- Cyan (9%)
- Magenta (0%)
- Yellow (7%)
- Black (57%)















- Cyan (61%)
- Magenta (57%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.334, 149.999 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, 6.334, 149.999 by changing the saturation by 10% instead.

 45, 6.334, 149.999	 45, 6.334, 149.999
 100, 6.334, 149.999	 35, 6.334, 149.999
 65, 6.334, 149.999	 25, 6.334, 149.999
 75, 6.334, 149.999	 15, 6.334, 149.999
 85, 6.334, 149.999	 5, 6.334, 149.999
 95, 6.334, 149.999	 0, 6.334, 149.999

 45, 6.334, 149.999	 45, 6.334, 149.999
 44, 13.301, 149.284	 46, 0.573, 330.228
 43, 20.247,	 47, 7.369, 331.077

148.475

■ 49, 14.013,
331.556

■ 42, 27.081,
147.547

■ 50, 20.479,
331.971

■ 41, 33.686,
146.485

■ 52, 26.752,
332.338

■ 41, 39.932,
145.278

■ 53, 32.826,
332.665

■ 40, 45.682,
143.927

■ 55, 38.700,
332.959

■ 40, 50.796,
142.452

■ 56, 44.379,
333.223

■ 40, 55.147,
140.898

■ 58, 49.869,
333.464

■ 40, 58.778,
139.511

Harmonies

Complementary

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



45, 6.334, 149.999



43, 6.355, 331.033

Rectangle

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



45, 6.334, 149.999



45, 6.334, 199.999



45, 6.334, 329.999



45, 6.334, 19.999

Sweetspot

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



45, 6.335, 149.998



59, 2.571, 150.440



46, 5.979, 116.749



30, 1.937, 150.381



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, 6.335, 149.998



58, 9.491, 149.851



45, 4.493, 174.087



22, 3.823, 150.014



43, 62.423, 139.269



85, 109.979, 138.274

Inverse Universe

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



43, 6.355, 331.033



55, 9.521, 331.166



43, 4.601, 355.566



21, 3.835, 331.019



26, 56.085, 337.683



55, 95.701, 338.369

Previews

White Background



This preview shows how the CIELCh color 45, 6.334, 149.999 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, 6.334, 149.999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

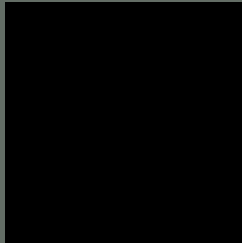
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

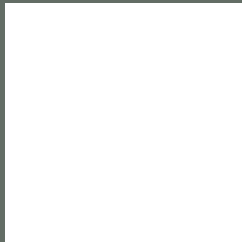
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 6.334, 149.999

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.334, 149.999.



This preview shows how white text looks on a background with the CIELCh color 45, 6.334, 149.999.

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, 6.334, 149.999

Protanopia

45, 4.482, 87.403

Deuteranopia

45, 6.380, 25.460



Tritanopia
45, 5.277, 264.349

Trichromacy



Original Color

45, 6.334, 149.999

Protanomaly

45, 4.183, 115.320

Deuteranomaly

45, 3.074, 54.990

Tritanomaly

45, 3.387, 219.820

Monochromacy



Original Color

45, 6.334, 149.999

Achromatopsia

44, 0.006, 296.813

Achromatomaly

45, 1.723, 155.608

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.334, 149.999 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(99, 109, 101)` looks like.

```
.text, #text, p{  
    color:rgb(99, 109, 101)  
}
```

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(99, 109, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 109, 101) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.334, 149.999 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(99, 109, 101) }
```

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

```
.border{ border-color:rgb(99, 109, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 109, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 109, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 109, 101);  
box-shadow:4px 4px 4px 4px rgb(99, 109,  
101) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.334, 149.999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 109, 101) }
```

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

```
.background{ background-color: rgb(99, 109,  
101) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor