

Converting Colors

CIELCh(45, 4.335, 216.610)

Have a look what the booklet for
CIELCh(45, 4.335, 216.610) contains.

CIELCh(45, 4.309, 223.675)	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, 4.309, 223.675)

Conversions

Conversions Part 1

Format	Color
Hex	626C6F
RGB	98, 108, 111
RGB Percent	38%, 42%, 44%
CMY	0.6147, 0.5755, 0.5637
CMYK	0.12, 0.03, 0.00, 0.56
HSL	194°, 6%, 41%
HSV	194°, 12%, 44%
XYZ	13.3358, 14.5417, 17.2158
YIQ	105.3520, -6.9230, -1.1870

Conversions

Conversions Part 2

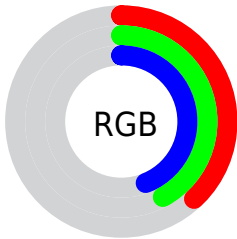
Format	Color
R_{YB}	98, 104, 111
Decimal	6450287
CIE _{Lab}	45.00, -3.12, -2.98
CIE _{LCh}	45, 4.309, 223.675
Yxy	14.5417, 0.2957, 0.3225
Android (android.graphics.Color)	4284640367 (0xFF626C6F)
YUV	105.3520, 2.7845, -6.4477
Hunter-Lab	38.1336, -4.3102, -0.0735

Details

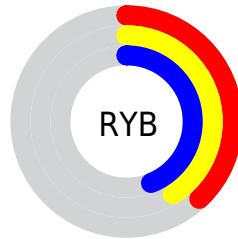
The CIELCh color **45, 4.309, 223.675** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **44, 4.610, 42.651**, and the grayscale version is **45, 0.006, 296.813**.

A 20% lighter version of the original color is **65, 4.295, 230.463**, and **25, 4.458, 216.024** is the 20% darker color. If you saturate the color by 10%, you get **43, 7.791, 224.212**, and if you desaturate by 10%, it is **47, 0.638, 223.690**.

Distribution



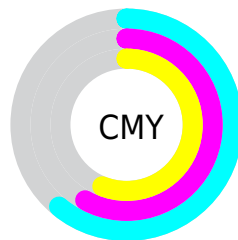
- Red (38%)
- Green (42%)
- Blue (44%)



- Red (38%)
- Yellow (41%)
- Blue (44%)



- Cyan (12%)
- Magenta (3%)
- Yellow (0%)
- Black (56%)



- Cyan (61%)
- Magenta (58%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 4.309, 223.675 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, 4.309, 223.675 by changing the saturation by 10% instead.

■ 45, 4.309, 223.675

■ 45, 4.309, 223.675

■ 100, 4.309,
223.675

■ 35, 4.309, 223.675

■ 65, 4.309, 223.675

■ 25, 4.309, 223.675

■ 75, 4.309, 223.675

■ 15, 4.309, 223.675

■ 85, 4.309, 223.675

■ 5, 4.309, 223.675

■ 95, 4.309, 223.675

■ 0, 4.309, 223.675

■ 45, 4.309, 223.675

■ 45, 4.309, 223.675

■ 43, 7.791, 224.212

■ 47, 0.638, 223.690

■ 42, 11.038,
224.984

■ 48, 3.182, 42.723

40, 14.002,
226.008

50, 7.116, 42.568

39, 16.636,
227.338

52, 11.134, 42.446

54, 15.211, 42.373

38, 18.898,
229.044

56, 19.329, 42.342

36, 20.762,
231.200

57, 23.470, 42.344

59, 27.623, 42.372

35, 22.223,
233.884

61, 31.775, 42.420

34, 23.314,
237.155

33, 24.145,
239.982

Harmonies

Complementary

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



45, 4.309, 223.675



44, 4.610, 42.651

Rectangle

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



45, 4.309, 223.675



45, 4.309, 273.675



45, 4.309, 43.675



45, 4.309, 93.675

Sweetspot

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



45, 4.309, 223.659



59, 1.868, 223.463



46, 8.122, 150.405



31, 1.336, 223.458



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, 4.309, 223.659



57, 6.383, 223.786



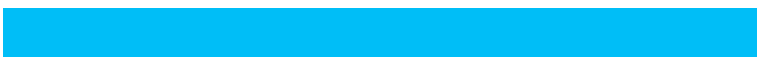
43, 5.763, 276.363



23, 2.101, 223.552



36, 25.496, 240.365



72, 44.020, 243.069

Inverse Universe

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



43, 8.070, 332.306



55, 12.051, 332.478



46, 5.735, 93.559



22, 3.902, 332.133



26, 55.710, 339.536



56, 94.279, 340.354

Previews

White Background



This preview shows how the CIELCh color 45, 4.309, 223.675 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, 4.309, 223.675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

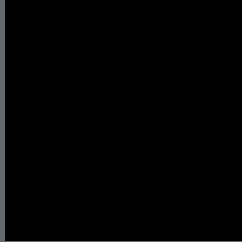
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

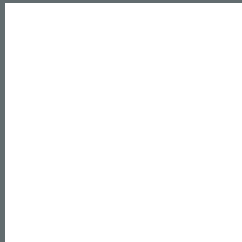
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 4.309, 223.675

Background



This preview shows how black text looks on a background with the CIELCh color 45, 4.309, 223.675.



This preview shows how white text looks on a background with the CIELCh color 45, 4.309, 223.675.

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

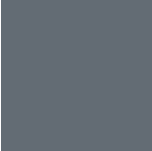
45, 4.309, 223.675

Protanopia

45, 2.431, 300.115

Deuteranopia

45, 7.026, 330.433



Tritanopia
45, 5.849, 254.043

Trichromacy



Original Color

45, 4.309, 223.675

Protanomaly

45, 2.144, 256.175

Deuteranomaly

45, 4.372, 306.803

Tritanomaly

45, 4.968, 245.385

Monochromacy



Original Color

45, 4.309, 223.675

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.717, 219.787

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 4.309, 223.675 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(98, 108, 111)` looks like.

```
.text, #text, p{  
    color:rgb(98, 108, 111)  
}
```

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(98, 108, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 108, 111) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 4.309, 223.675 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(98, 108, 111) }
```

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

```
.border{ border-color:rgb(98, 108, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 108, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 108, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 108, 111);  
box-shadow:4px 4px 4px 4px rgb(98, 108,  
111) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 4.309, 223.675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 108, 111) }
```

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

```
.background{ background-color: rgb(98, 108,  
111) }
```

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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