

Converting Colors

CIELCh(45, 2.996, 140.871)

Have a look what the booklet for
CIELCh(45, 2.996, 140.871) contains.

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Color

CIELCh(45, 3.415, 138.656)

Conversions

Conversions Part 1

Format	Color
Hex	686C67
RGB	104, 108, 103
RGB Percent	41%, 42%, 40%
CMY	0.5936, 0.5779, 0.5975
CMYK	0.04, 0.00, 0.05, 0.58
HSL	108°, 2%, 41%
HSV	108°, 5%, 42%
XYZ	13.4211, 14.5417, 14.8363
YIQ	106.2340, -0.7790, -2.4030

Conversions

Conversions Part 2

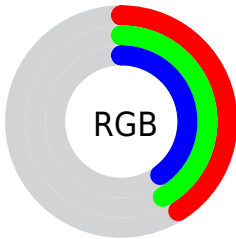
Format	Color
R_{YB}	103, 108, 107
Decimal	6843495
CIE Lab	45.00, -2.56, 2.26
CIE LCh	45, 3.415, 138.656
Yxy	14.5417, 0.3136, 0.3398
Android (android.graphics.Color)	4285033575 (0xFF686C67)
YUV	106.2340, -1.5944, -1.9592
Hunter-Lab	38.1336, -3.9109, 3.6261

Details

The CIELCh color $45, 3.415, 138.656$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 3.434, 318.969$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 3.179, 138.731$, and $25, 3.772, 138.513$ is the 20% darker color. If you saturate the color by 10%, you get $44, 10.837, 138.169$, and if you desaturate by 10%, it is $46, 3.924, 318.992$.

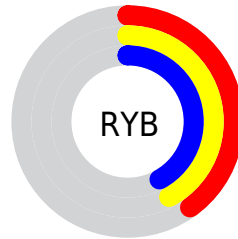
Distribution



Red (41%)

Green (42%)

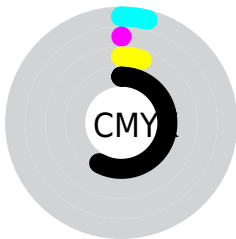
Blue (40%)



Red (40%)

Yellow (42%)

Blue (42%)

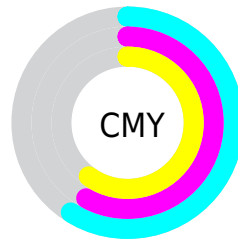


Cyan (4%)

Magenta (0%)

Yellow (5%)

Black (58%)



Cyan (59%)

Magenta (58%)

Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 3.415, 138.656 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, 3.415, 138.656 by changing the saturation by 10% instead.

■ 45, 3.415, 138.656

■ 45, 3.415, 138.656

■ 100, 3.415,
138.656

■ 35, 3.415, 138.656

■ 65, 3.415, 138.656

■ 25, 3.415, 138.656

■ 75, 3.415, 138.656

■ 15, 3.415, 138.656

■ 85, 3.415, 138.656

■ 5, 3.415, 138.656

■ 95, 3.415, 138.656

■ 0, 3.415, 138.656

■ 45, 3.415, 138.656

■ 45, 3.415, 138.656

■ 44, 10.837,
138.169

■ 46, 3.924, 318.992

■ 43, 18.279,

■ 47, 11.146,
319.366

137.642

48, 18.220,
319.675

42, 25.666,
137.062

50, 25.129,
319.939

42, 32.891,
136.437

51, 31.864,
320.165

41, 39.813,
135.793

52, 38.421,
320.358

40, 46.247,
135.178

54, 44.799,
320.524

40, 51.953,
134.668

55, 51.002,
320.665

40, 56.648,
134.366

57, 57.036,
320.785

39, 60.176,
134.310

Harmonies

Complementary

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



45, 3.415, 138.656



44, 3.434, 318.969

Rectangle

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



45, 3.415, 138.656



45, 3.415, 188.656



45, 3.415, 318.656



45, 3.415, 8.656

Sweetspot

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



45, 3.416, 138.659



58, 0.906, 138.950



45, 2.406, 99.871



30, 0.519, 138.969



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, 3.416, 138.659



58, 5.491, 138.583



45, 2.940, 154.062



22, 2.885, 138.578



43, 65.918, 134.254



85, 114.263, 134.815

Inverse Universe

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



44, 3.434, 318.969



56, 5.518, 319.041



44, 2.955, 334.509



21, 2.900, 319.046



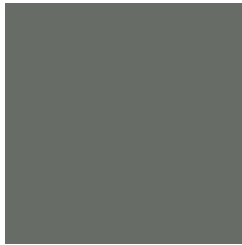
23, 66.280, 320.983



50, 114.240, 320.585

Previews

White Background



This preview shows how the CIELCh color 45, 3.415, 138.656 looks on a white background.

Color Contrast Check

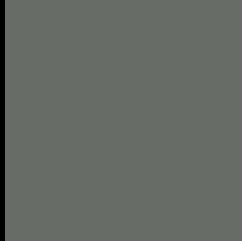
Large Text (above 18pt) WCAG AA ✓ Pass

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, 3.415, 138.656 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

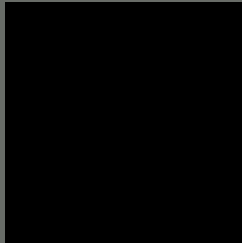
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

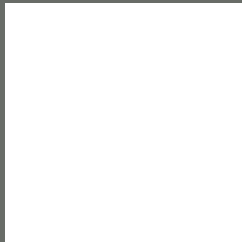
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 45, 3.415, 138.656

Background



This preview shows how black text looks on a background with the CIELCh color 45, 3.415, 138.656.



This preview shows how white text looks on a background with the CIELCh color 45, 3.415, 138.656.

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, 3.415, 138.656

Protanopia

45, 2.677, 81.902

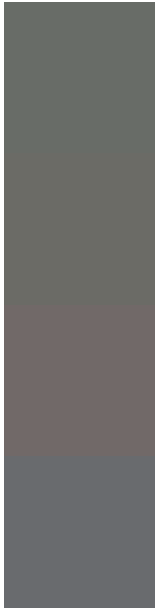
Deuteranopia

45, 6.337, 14.791



Tritanopia
45, 4.787, 286.098

Trichromacy



Original Color

45, 3.415, 138.656

Protanomaly

45, 2.968, 109.744

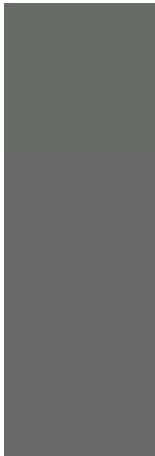
Deuteranomaly

45, 3.390, 29.783

Tritanomaly

45, 1.953, 266.064

Monochromacy



Original Color

45, 3.415, 138.656

Achromatopsia

45, 0.006, 296.813

Achromatomaly

45, 1.451, 144.457

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 3.415, 138.656 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(104, 108, 103)` looks like.

```
.text, #text, p{  
    color:rgb(104, 108, 103)  
}
```

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(104, 108, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 108, 103) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 3.415, 138.656 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(104, 108, 103) }
```

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

```
.border{ border-color:rgb(104, 108, 103) }
```

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

Here you see how a box with a 4 pixel rgb(104, 108, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 108, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 108, 103);  
box-shadow:4px 4px 4px 4px rgb(104, 108,  
103) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 3.415, 138.656 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 108, 103) }
```

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

```
.background{ background-color: rgb(104,  
108, 103) }
```

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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