

Converting Colors

CIELCh(45, 6.857, 70.667)

Have a look what the booklet for
CIELCh(45, 6.857, 70.667) contains.

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Color

CIELCh(45, 6.868, 70.618)

Conversions

Conversions Part 1

Format	Color
Hex	736960
RGB	115, 105, 96
RGB Percent	45%, 41%, 38%
CMY	0.5497, 0.5889, 0.6242
CMYK	0.00, 0.09, 0.17, 0.55
HSL	28°, 9%, 41%
HSV	28°, 17%, 45%
XYZ	14.1840, 14.5417, 13.0839
YIQ	106.9640, 8.8490, -0.6790

Conversions

Conversions Part 2

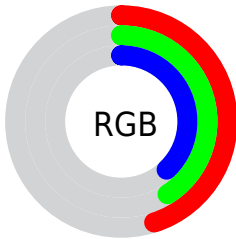
Format	Color
RYB	115, 113, 96
Decimal	7563616
CIELab	45.00, 2.28, 6.48
CIELCh	45, 6.868, 70.618
Yxy	14.5417, 0.3393, 0.3478
Android (android.graphics.Color)	4285753696 (0xFF736960)
YUV	106.9640, -5.4053, 7.0476
Hunter-Lab	38.1336, -0.3396, 6.3507

Details

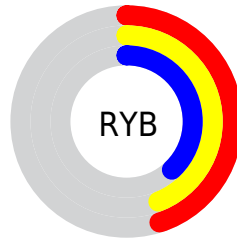
The CIELCh color $45, 6.868, 70.618$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 6.554, 254.677$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 7.042, 71.282$, and $25, 6.852, 69.494$ is the 20% darker color. If you saturate the color by 10%, you get $43, 11.295, 69.505$, and if you desaturate by 10%, it is $47, 2.650, 71.703$.

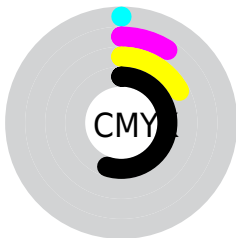
Distribution



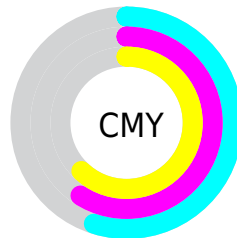
- Red (45%)
- Green (41%)
- Blue (38%)



- Red (45%)
- Yellow (44%)
- Blue (38%)



- Cyan (0%)
- Magenta (9%)
- Yellow (17%)
- Black (55%)





- Cyan (55%)
- Magenta (59%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 6.868, 70.618 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, 6.868, 70.618 by changing the saturation by 10% instead.

 45, 6.868, 70.618	 45, 6.868, 70.618
 100, 6.868, 70.618	 35, 6.868, 70.618
 65, 6.868, 70.618	 25, 6.868, 70.618
 75, 6.868, 70.618	 15, 6.868, 70.618
 85, 6.868, 70.618	 5, 6.868, 70.618
 95, 6.868, 70.618	 0, 6.868, 70.618

 45, 6.868, 70.618	 45, 6.868, 70.618
 43, 11.295, 69.505	 47, 2.650, 71.703
 41, 15.942, 68.369	 49, 1.376, 253.104
 39, 20.810, 67.230	 51, 5.229, 254.057

■ 37, 25.879, 66.087

■ 53, 8.927, 255.098

■ 36, 31.083, 64.918

■ 55, 12.487,
256.119

■ 34, 36.277, 63.663

■ 57, 15.925,
257.107

■ 32, 41.166, 62.188

■ 31, 45.592, 60.523

■ 60, 19.255,
258.058

■ 30, 47.219, 60.105

■ 62, 22.489,
258.971

■ 64, 25.637,
259.845

Harmonies

Complementary

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



45, 6.868, 70.618



44, 6.554, 254.677

Rectangle

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



45, 6.868, 70.618



45, 6.868, 120.618



45, 6.868, 250.618



45, 6.868, 300.618

Sweetspot

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



45, 6.868, 70.632



61, 2.518, 71.834



43, 9.972, 343.181



32, 1.734, 71.784



82, 0.010, 296.813



33, 0.005, 296.813

Same Dimension

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



45, 6.868, 70.632



57, 10.464, 70.185



48, 10.766, 107.259



24, 2.335, 71.448



32, 49.649, 59.925



64, 85.299, 57.721

Inverse Universe

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



44, 6.554, 254.677



56, 9.857, 255.271



41, 11.132, 290.569



23, 2.281, 253.684



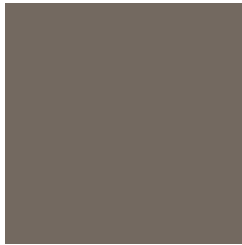
27, 38.478, 279.557



55, 68.688, 282.317

Previews

White Background



This preview shows how the CIELCh color 45, 6.868, 70.618 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, 6.868, 70.618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

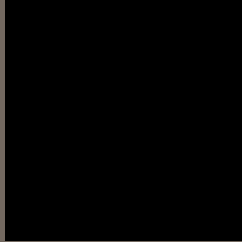
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 6.868, 70.618

Background



This preview shows how black text looks on a background with the CIELCh color 45, 6.868, 70.618.

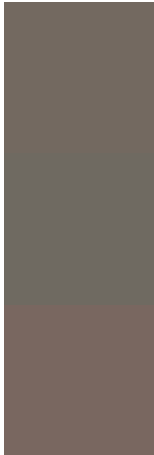


This preview shows how white text looks on a background with the CIELCh color 45, 6.868, 70.618.

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, 6.868, 70.618

Protanopia

45, 5.749, 87.645

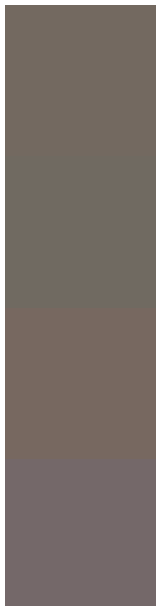
Deuteranopia

45, 8.872, 48.001



Tritanopia
45, 7.486, 340.853

Trichromacy



Original Color
45, 6.868, 70.618

Protanomaly
45, 5.921, 83.776

Deuteranomaly
45, 8.063, 55.930

Tritanomaly
45, 5.055, 13.238

Monochromacy



Original Color
45, 6.868, 70.618

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 2.430, 66.546

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 6.868, 70.618 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(115, 105, 96)` looks like.

```
.text, #text, p{  
    color:rgb(115, 105, 96)  
}
```

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(115, 105, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 105, 96) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 6.868, 70.618 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(115, 105, 96) }
```

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

```
.border{ border-color:rgb(115, 105, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(115, 105, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 105, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 105, 96);  
box-shadow:4px 4px 4px 4px rgb(115, 105,  
96) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 6.868, 70.618 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 105, 96) }
```

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

```
.background{ background-color: rgb(115,  
105, 96) }
```

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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