

Converting Colors

CIELCh(45, 7.308, 92.227)

Have a look what the booklet for
CIELCh(45, 7.308, 92.227) contains.

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Color

CIELCh(45, 7.441, 92.342)

Conversions

Conversions Part 1

Format	Color
Hex	6F6A5E
RGB	111, 106, 94
RGB Percent	44%, 42%, 37%
CMY	0.5641, 0.5837, 0.6308
CMYK	0.00, 0.04, 0.15, 0.56
HSL	42°, 8%, 40%
HSV	42°, 15%, 44%
XYZ	13.7736, 14.5417, 12.7074
YIQ	106.1270, 6.8320, -2.6720

Conversions

Conversions Part 2

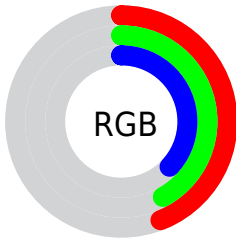
Format	Color
R_{YB}	101, 111, 94
Decimal	7301726
CIE Lab	45.00, -0.30, 7.43
CIE LCh	45, 7.441, 92.342
Yxy	14.5417, 0.3358, 0.3545
Android (android.graphics.Color)	4285491806 (0xFF6F6A5E)
YUV	106.1270, -5.9786, 4.2736
Hunter-Lab	38.1336, -2.2610, 6.9361

Details

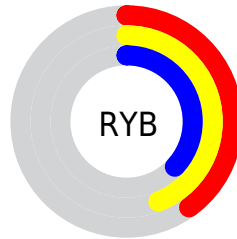
The CIELCh color $45, 7.441, 92.342$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $42, 7.470, 276.084$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 7.571, 91.066$, and $25, 7.467, 93.563$ is the 20% darker color. If you saturate the color by 10%, you get $44, 12.404, 91.153$, and if you desaturate by 10%, it is $46, 2.552, 93.485$.

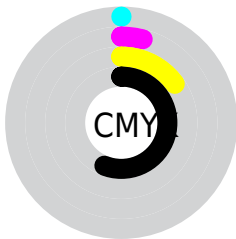
Distribution



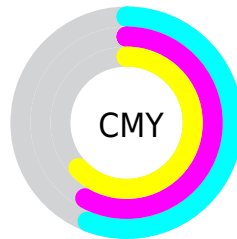
- Red (44%)
- Green (42%)
- Blue (37%)



- Red (40%)
- Yellow (44%)
- Blue (37%)



- Cyan (0%)
- Magenta (4%)
- Yellow (15%)
- Black (56%)



- Cyan (56%)
- Magenta (58%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 7.441, 92.342 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, 7.441, 92.342 by changing the saturation by 10% instead.

 45, 7.441, 92.342	 45, 7.441, 92.342
 100, 7.441, 92.342	 35, 7.441, 92.342
 65, 7.441, 92.342	 25, 7.441, 92.342
 75, 7.441, 92.342	 15, 7.441, 92.342
 85, 7.441, 92.342	 5, 7.441, 92.342
 95, 7.441, 92.342	 0, 7.441, 92.342

 45, 7.441, 92.342	 45, 7.441, 92.342
 44, 12.404, 91.153	 46, 2.552, 93.485
 43, 17.422, 89.914	 47, 2.259, 274.730
 41, 22.463, 88.641	 49, 6.992, 275.771

40, 27.464, 87.333

50, 11.649,
276.801

39, 32.309, 85.980

51, 16.234,
277.788

38, 36.801, 84.556

37, 40.628, 83.006

53, 20.752,
278.729

36, 43.573, 81.293

54, 25.206,
279.623

36, 45.086, 80.568

55, 29.602,
280.472

57, 33.942,
281.276

Harmonies

Complementary

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



45, 7.441, 92.342



42, 7.470, 276.084

Rectangle

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



45, 7.441, 92.342



45, 7.441, 142.342



45, 7.441, 272.342



45, 7.441, 322.342

Sweetspot

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



45, 7.442, 92.352



60, 3.001, 93.502



42, 7.820, 357.346



31, 2.065, 93.445



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, 7.442, 92.352



58, 10.939, 91.975



46, 10.140, 117.011



23, 2.742, 93.079



39, 47.548, 80.354



76, 80.957, 78.843

Inverse Universe

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



42, 7.470, 276.084



53, 10.985, 276.538



41, 10.457, 299.065



22, 2.752, 275.255



18, 57.149, 297.328



40, 103.354, 299.253

Previews

White Background



This preview shows how the CIELCh color 45, 7.441, 92.342 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, 7.441, 92.342 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

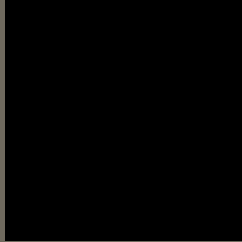
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 7.441, 92.342

Background



This preview shows how black text looks on a background with the CIELCh color 45, 7.441, 92.342.



This preview shows how white text looks on a background with the CIELCh color 45, 7.441, 92.342.

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

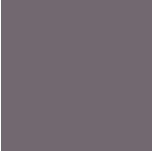
45, 7.441, 92.342

Protanopia

45, 7.441, 92.342

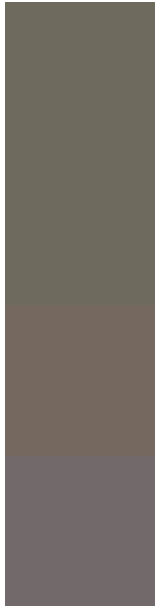
Deuteranopia

45, 9.194, 51.132



Tritanopia
45, 6.302, 331.012

Trichromacy



Original Color
45, 7.441, 92.342

Protanomaly
45, 7.441, 92.342

Deuteranomaly
45, 7.781, 63.097

Tritanomaly
45, 3.377, 9.598

Monochromacy



Original Color
45, 7.441, 92.342

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 2.512, 90.420

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 7.441, 92.342 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(111, 106, 94)` looks like.

```
.text, #text, p{  
    color:rgb(111, 106, 94)  
}
```

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(111, 106, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 106, 94) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 7.441, 92.342 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(111, 106, 94) }
```

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

```
.border{ border-color:rgb(111, 106, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 106, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 106, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 106, 94);  
box-shadow:4px 4px 4px 4px rgb(111, 106,  
94) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 7.441, 92.342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 106, 94) }
```

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

```
.background{ background-color: rgb(111,  
106, 94) }
```

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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