

Converting Colors

CIELCh(45, 9.158, 70.118)

Have a look what the booklet for
CIELCh(45, 9.158, 70.118) contains.

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Color

CIELCh(45, 9.145, 70.755)

Conversions

Conversions Part 1

Format	Color
Hex	75685C
RGB	117, 104, 92
RGB Percent	46%, 41%, 36%
CMY	0.5400, 0.5910, 0.6381
CMYK	0.00, 0.11, 0.21, 0.54
HSL	29°, 12%, 41%
HSV	29°, 21%, 46%
XYZ	14.3023, 14.5417, 12.2453
YIQ	106.5190, 11.6000, -0.9760

Conversions

Conversions Part 2

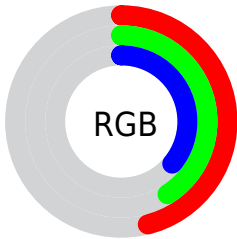
Format	Color
RYB	117, 115, 92
Decimal	7694428
CIELab	45.00, 3.01, 8.63
CIElCh	45, 9.145, 70.755
Yxy	14.5417, 0.3481, 0.3539
Android (android.graphics.Color)	4285884508 (0xFF75685C)
YUV	106.5190, -7.1579, 9.1918
Hunter-Lab	38.1336, 0.2139, 7.6545

Details

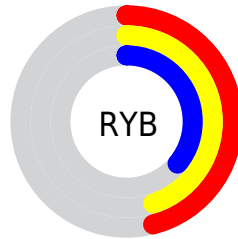
The CIELCh color $45, 9.145, 70.755$ is a dark color, and the websafe version is hex 666666 . A complement of this color would be $44, 8.609, 256.115$, and the grayscale version is $45, 0.006, 296.813$.

A 20% lighter version of the original color is $65, 9.138, 71.467$, and $25, 9.109, 71.867$ is the 20% darker color. If you saturate the color by 10%, you get $43, 13.765, 69.616$, and if you desaturate by 10%, it is $47, 4.741, 71.890$.

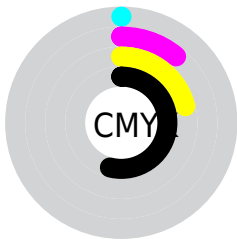
Distribution



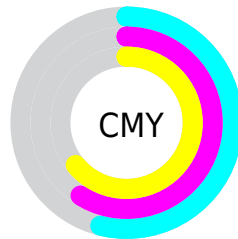
- Red (46%)
- Green (41%)
- Blue (36%)



- Red (46%)
- Yellow (45%)
- Blue (36%)



- Cyan (0%)
- Magenta (11%)
- Yellow (21%)
- Black (54%)



- Cyan (54%)
- Magenta (59%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 45, 9.145, 70.755 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, 9.145, 70.755 by changing the saturation by 10% instead.

■ 45, 9.145, 70.755 ■ 45, 9.145, 70.755

■ 100, 9.145, 70.755 ■ 35, 9.145, 70.755

■ 65, 9.145, 70.755 ■ 25, 9.145, 70.755

■ 75, 9.145, 70.755 ■ 15, 9.145, 70.755

■ 85, 9.145, 70.755 ■ 5, 9.145, 70.755

■ 95, 9.145, 70.755 ■ 0, 9.145, 70.755

■ 45, 9.145, 70.755 ■ 45, 9.145, 70.755

■ 43, 13.765, 69.616 ■ 47, 4.741, 71.890

■ 41, 18.607, 68.460 ■ 49, 0.537, 72.597

■ 39, 23.662, 67.300 ■ 51, 3.483, 254.269

■ 37, 28.889, 66.125

■ 53, 7.340, 255.315

■ 36, 34.186, 64.897

■ 55, 11.050,
256.356

■ 34, 39.337, 63.525

■ 58, 14.629,
257.367

■ 32, 43.937, 61.821

■ 31, 47.929, 60.555

■ 60, 18.094,
258.342

■ 62, 21.456,
259.278

■ 64, 24.727,
260.174

Harmonies

Complementary

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



45, 9.145, 70.755



44, 8.609, 256.115

Rectangle

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



45, 9.145, 70.755



45, 9.145, 120.755



45, 9.145, 250.755



45, 9.145, 300.755

Sweetspot

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



45, 9.145, 70.766



62, 3.083, 72.432



42, 13.132, 343.609



32, 2.035, 72.386



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, 9.145, 70.766



57, 14.042, 70.153



48, 14.106, 106.800



24, 2.343, 72.137



32, 49.533, 60.422



65, 85.046, 58.213

Inverse Universe

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



44, 8.609, 256.115



55, 12.995, 257.000



40, 14.737, 291.168



23, 2.292, 254.387



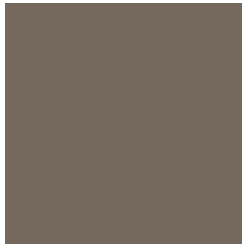
27, 38.954, 280.234



55, 69.575, 282.972

Previews

White Background



This preview shows how the CIELCh color 45, 9.145, 70.755 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, 9.145, 70.755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

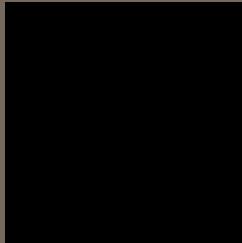
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

CIELCh 45, 9.145, 70.755

Background



This preview shows how black text looks on a background with the CIELCh color 45, 9.145, 70.755.

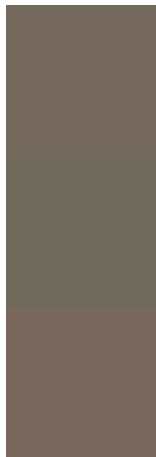


This preview shows how white text looks on a background with the CIELCh color 45, 9.145, 70.755.

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, 9.145, 70.755

Protanopia

45, 8.142, 90.486

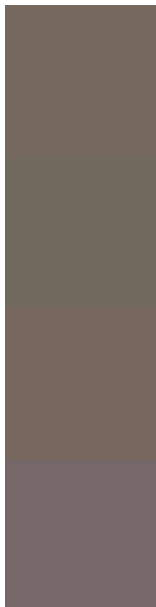
Deuteranopia

45, 10.279, 55.257



Tritanopia
45, 8.493, 346.428

Trichromacy



Original Color
45, 9.145, 70.755

Protanomaly
45, 8.137, 80.478

Deuteranomaly
45, 9.559, 58.298

Tritanomaly
45, 6.337, 14.791

Monochromacy



Original Color
45, 9.145, 70.755

Achromatopsia
45, 0.006, 296.813

Achromatomaly
45, 3.158, 68.226

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 45, 9.145, 70.755 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(117, 104, 92)` looks like.

```
.text, #text, p{  
    color:rgb(117, 104, 92)  
}
```

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(117, 104, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 104, 92) }
```

Border

The CSS property to change the border of an element to CIELCh 45, 9.145, 70.755 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(117, 104, 92) }
```

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

```
.border{ border-color:rgb(117, 104, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 104, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 104, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 104, 92);  
box-shadow:4px 4px 4px 4px rgb(117, 104,  
92) }
```

Background

The CSS property to change the background color of an element to CIELCh 45, 9.145, 70.755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 104, 92) }
```

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

```
.background{ background-color: rgb(117,  
104, 92) }
```

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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