

# Converting Colors

Hex(450C45)

Have a look what the booklet for  
Hex(450C45) contains.

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# Color

**Hex(450C45)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	450C45
RGB	69, 12, 69
RGB Percent	27%, 5%, 27%
CMY	0.7294, 0.9529, 0.7294
CMYK	0.00, 0.83, 0.00, 0.73
HSL	300°, 70%, 16%
HSV	300°, 83%, 27%
XYZ	3.6599, 1.9578, 5.8152
YIQ	35.5410, 15.6750, 29.8110

# Conversions

## Conversions Part 2

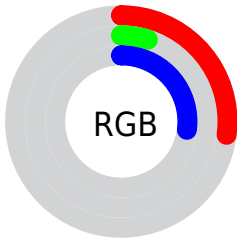
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 12, 69
Decimal	4525125
CIE <sub>Lab</sub>	15.26, 34.08, -21.41
CIE <sub>LCh</sub>	15, 40.251, 327.858
Yxy	1.9578, 0.3201, 0.1712
Android (android.graphics.Color)	4282715205 (0xFF450C45)
YUV	35.5410, 16.4953, 29.3435
Hunter-Lab	13.9922, 22.2032, -14.8466




# Details

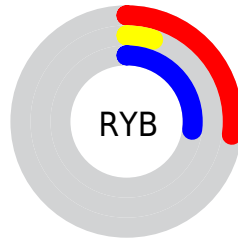
The Hex color **450C45** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **0C450C**, and the grayscale version is **232323**.




A 20% lighter version of the original color is **783D76**, and **120019** is the 20% darker color. If you saturate the color by 10%, you get **450545**, and if you desaturate by 10%, it is **451345**.

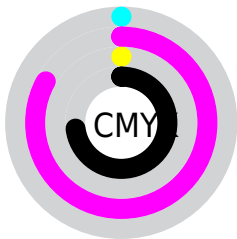
# Distribution







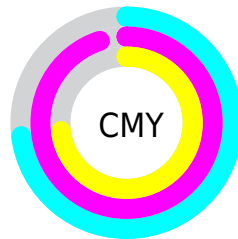
-  Red (27%)
-  Green (5%)
-  Blue (27%)






-  Red (27%)
-  Yellow (5%)
-  Blue (27%)



-  Cyan (0%)
-  Magenta (83%)
-  Yellow (0%)
-  Black (73%)



-  Cyan (73%)
-  Magenta (95%)
-  Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 450C45 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 Hex color 450C45 by changing the saturation by 10% instead.



 450C45

 450C45

 FFF8FF

 2D002E

 783D76

 120019

 92568F

 000000

 AD6FAA

 C989C5

 E6A4E1

 FFBFFE

 FFD8FF

 450C45

 450C45

■ 450545

■ 451345

■ 450045

■ 451A45

■ 452145

■ 452845

■ 452F45

■ 453545

■ 453C45

■ 454345

■ 454A45

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



1A2059



450C45



55002A

# Triad

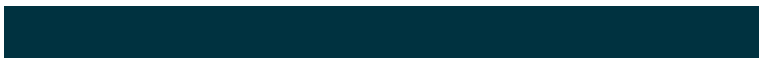
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



450C45



322500



003240

# Complementary

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



450C45



0C450C

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



003223



450C45



172C00

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



450C45



471700



003000



003057

# Rectangle

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



450C45



560017



003000



003237



# Sweetspot

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



450C45



594359



0C0C45



2E202E



ADADAD



2E2E2E



# Same Dimension

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



450C45



590159



450C29



242024



630063



E300E3



# Inverse Universe

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



450C45



590159



0C4529



242024



630063

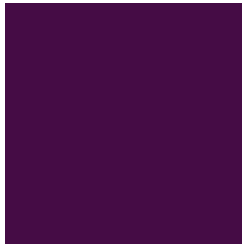


E300E3



# Previews

## White Background



This preview shows how the Hex color 450C45 looks on a white background.

## Color Contrast Check

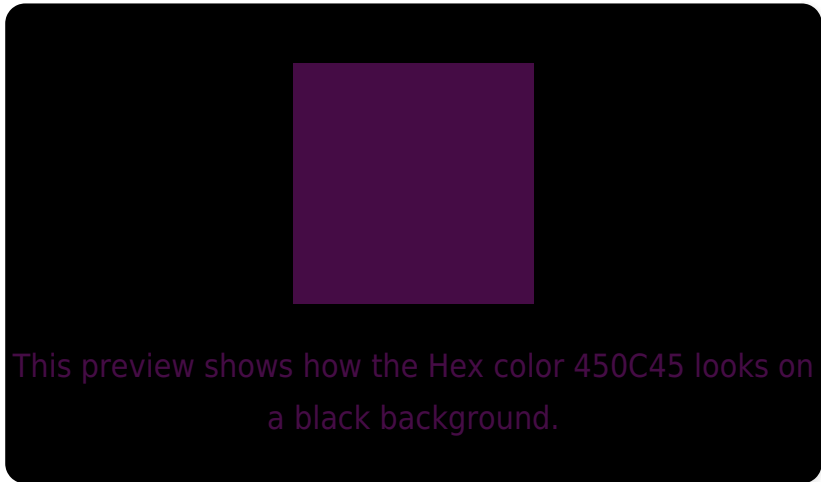
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

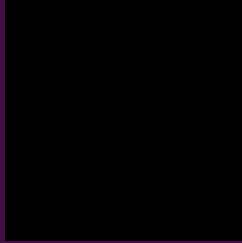
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 450C45 Background



This preview shows how black text looks on a background with the Hex color 450C45.



This preview shows how white text looks on a background with the Hex color 450C45.

# 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**  
450C45

**Protanopia**  
002753

**Deuteranopia**  
1A2941



**Tritanopia**  
411D1F

# Trichromacy



**Original Color**  
450C45

**Protanomaly**  
191D4E

**Deuteranomaly**  
2A1E42

**Tritanomaly**  
42172D

# Monochromacy



**Original Color**  
450C45

**Achromatopsia**  
242424

**Achromatomaly**  
301B30

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 450C45 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 #450C45 looks like.

```
.text, #text, p{  
    color:#450C45  
}
```

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 #450C45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #450C45  
}
```

## Border

The CSS property to change the border of an element to Hex 450C45 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  
#450C45 }
```

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

```
.border{ border-color:#450C45 }
```

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

Here you see how a box with a 4 pixel #450C45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #450C45; -webkit-box-shadow:4px 4px  
4px 4px #450C45; box-shadow:4px 4px 4px  
4px #450C45 }
```

# Background

The CSS property to change the background color of an element to Hex 450C45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#450C45 }
```

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

```
.background{ background-color:#450C45 }
```

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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