

# Converting Colors

Hex(450E45)

Have a look what the booklet for  
Hex(450E45) contains.

<b>Hex(450E45)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(450E45)**

# Conversions

## Conversions Part 1

Format	Color
Hex	450E45
RGB	69, 14, 69
RGB Percent	27%, 5%, 27%
CMY	0.7294, 0.9451, 0.7294
CMYK	0.00, 0.80, 0.00, 0.73
HSL	300°, 66%, 16%
HSV	300°, 80%, 27%
XYZ	3.6855, 2.0090, 5.8237
YIQ	36.7150, 15.1250, 28.7650

# Conversions

## Conversions Part 2

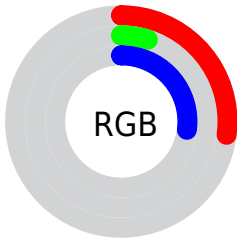
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 14, 69
Decimal	4525637
CIE <sub>Lab</sub>	15.53, 33.31, -20.99
CIE <sub>LCh</sub>	16, 39.370, 327.789
Yxy	2.0090, 0.3200, 0.1744
Android (android.graphics.Color)	4282715717 (0xFF450E45)
YUV	36.7150, 15.9165, 28.3139
Hunter-Lab	14.1738, 21.6094, -14.4396




# Details

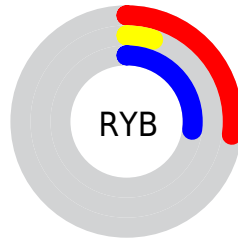
The Hex color **450E45** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **0E450E**, and the grayscale version is **252525**.




A 20% lighter version of the original color is **773F76**, and **130019** is the 20% darker color. If you saturate the color by 10%, you get **450745**, and if you desaturate by 10%, it is **451545**.

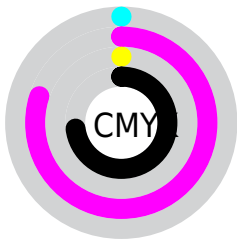
# Distribution







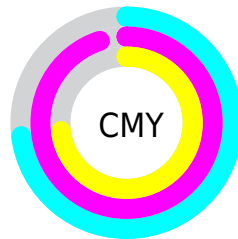
-  Red (27%)
-  Green (5%)
-  Blue (27%)






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



-  Cyan (0%)
-  Magenta (80%)
-  Yellow (0%)
-  Black (73%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 450E45 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 450E45 by changing the saturation by 10% instead.



 450E45

 450E45

 FFFAFF

 2D002E

 773F76

 130019

 92578F

 000000

 AD70AA

 C98AC5

 E5A5E1

 FFC1FE

 FFDDFF

 450E45

 450E45

■ 450745

■ 451545

■ 450045

■ 451C45

■ 452345

■ 452A45

■ 453145

■ 453745

■ 453E45

■ 454545

■ 454C45

# Harmonies

## Analogous

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



1C2059



450E45



55002A

# Triad

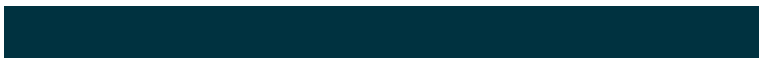
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



450E45



332500



003240

# Complementary

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



450E45



0E450E

# 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.



003224



450E45



182D00

# Square

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



450E45



481800



003002



003156

# Rectangle

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



450E45



560018



003002



003237



# Sweetspot

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



450E45



594459



0E0E45



2E212E



ADADAD



2E2E2E



# Same Dimension

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



450E45



590459



450E2A



242024



630063



E300E3



# Inverse Universe

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



450E45



590459



0E452A



242024



630063

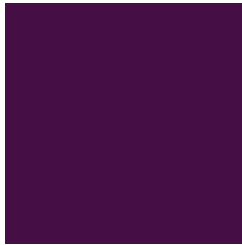


E300E3



# Previews

## White Background



This preview shows how the Hex color 450E45 looks on a white background.

## Color Contrast Check

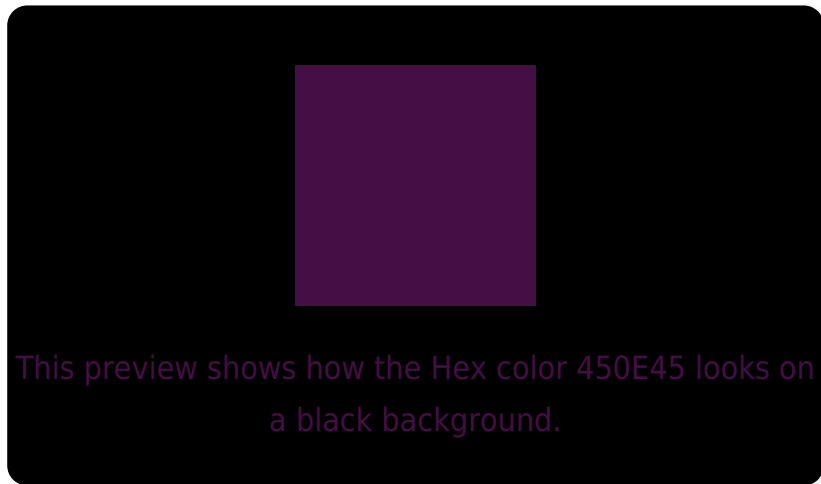
Large Text (above 18pt) WCAG AA ✓ Pass

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

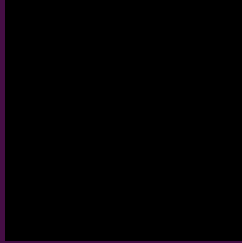
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 450E45 Background



This preview shows how black text looks on a background with the Hex color 450E45.



This preview shows how white text looks on a background with the Hex color 450E45.

# 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**  
450E45

**Protanopia**  
002754

**Deuteranopia**  
1B2941



**Tritanopia**  
411D1F

# Trichromacy



**Original Color**  
450E45

**Protanomaly**  
191E4F

**Deuteranomaly**  
2A1F42

**Tritanomaly**  
42182D

# Monochromacy



**Original Color**  
450E45

**Achromatopsia**  
252525

**Achromatomaly**  
311D31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 450E45 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 #450E45 looks like.

```
.text, #text, p{  
    color:#450E45  
}
```

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 #450E45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #450E45
}
```

## Border

The CSS property to change the border of an element to Hex 450E45 is called "border". The border property can be set on classes, ids or directly on the HTML element.

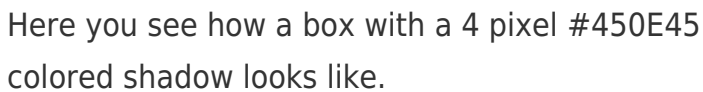
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#450E45 }
```

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

```
.border{ border-color:#450E45 }
```

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



Here you see how a box with a 4 pixel #450E45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #450E45; -webkit-box-shadow:4px 4px  
4px 4px #450E45; box-shadow:4px 4px 4px  
4px #450E45 }
```

# Background

The CSS property to change the background color of an element to Hex 450E45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#450E45 }
```

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

```
.background{ background-color:#450E45 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor