

# Converting Colors

Hex(45456B)

Have a look what the booklet for  
Hex(45456B) contains.

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# Color

**Hex(45456B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	45456B
RGB	69, 69, 107
RGB Percent	27%, 27%, 42%
CMY	0.7294, 0.7294, 0.5804
CMYK	0.36, 0.36, 0.00, 0.58
HSL	240°, 22%, 35%
HSV	240°, 36%, 42%
XYZ	7.2362, 6.5830, 14.7992
YIQ	73.3320, -12.1980, 11.8180

# Conversions

## Conversions Part 2

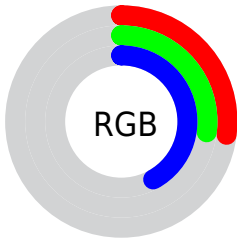
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 69, 107
Decimal	4539755
CIELab	30.84, 10.03, -22.08
CIELCh	31, 24.246, 294.427
Yxy	6.5830, 0.2529, 0.2300
Android (android.graphics.Color)	4282729835 (0xFF45456B)
YUV	73.3320, 16.5983, -3.7992
Hunter-Lab	25.6573, 5.4425, -16.2384

# Details

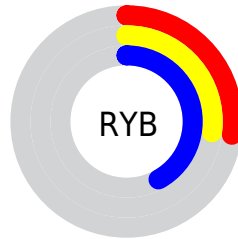
The Hex color **45456B** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **6B6B45**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **77759F**, and **161A3B** is the 20% darker color. If you saturate the color by 10%, you get **3A3A6B**, and if you desaturate by 10%, it is **50506B**.

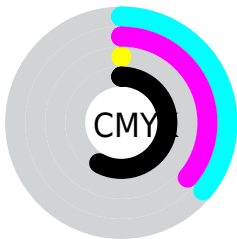
# Distribution



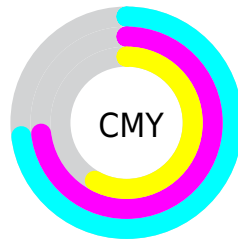
- Red (27%)
- Green (27%)
- Blue (42%)



- Red (27%)
- Yellow (27%)
- Blue (42%)



- Cyan (36%)
- Magenta (36%)
- Yellow (0%)
- Black (58%)



- Cyan (73%)
- Magenta (73%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45456B 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 45456B by changing the saturation by 10% instead.



■ 45456B

■ 45456B

FFFFFF

■ 2D2F53

■ 77759F

■ 161A3B

■ 918FBA

■ 010026

■ ABA9D5

■ 00010F

■ C7C4F2

■ 000000

■ E3E0FF

FFFDFF

■ 45456B

■ 45456B

■ 3A3A6B

■ 50506B

■ 30306B

■ 5A5A6B

■ 25256B

■ 65656B

■ 1A1A6B

■ 70706B

■ 0F0F6B

■ 7B7B6B

■ 05056B

■ 85856B

■ 00006B

■ 90906B

■ 9B9B6B

■ A5A56B

# Harmonies

## Analogous

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



224C6E



45456B



5D3E5F

# Triad

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



45456B



66402A



0E5244

# Complementary

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



45456B



6B6B45

# 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.



2E5032



45456B



574622

# Square

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



45456B



6D3A3A



454C25



005258

# Rectangle

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



45456B



673B53



454C25



1B523E



# Sweetspot

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



45456B



7D7D8C



456B6B



3E3E47



C7C7C7



474747



# Same Dimension

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



45456B



50508C



58456B



303036



000075



0000F5



# Inverse Universe

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



6B456B



8C508C



586B45



363036



750075



F500F5



# Previews

## White Background



This preview shows how the Hex color 45456B looks on a white background.

## Color Contrast Check

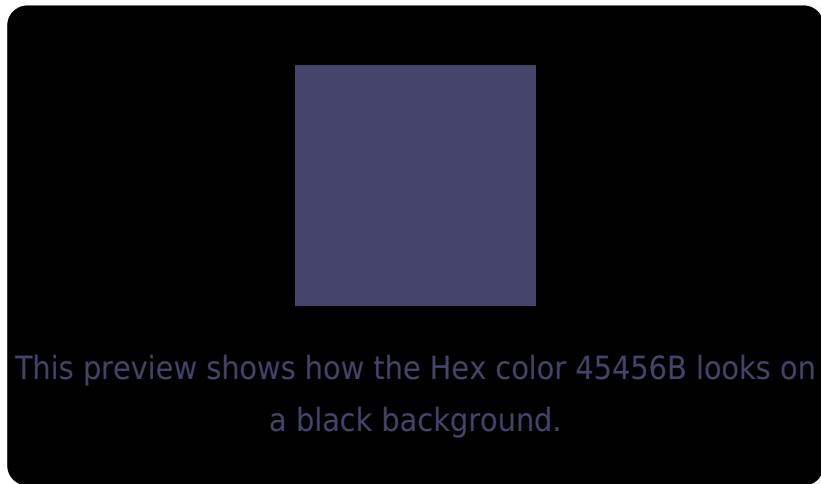
Large Text (above 18pt) WCAG AA ✓ Pass

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

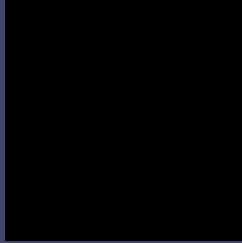
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 45456B Background



This preview shows how black text looks on a background with the Hex color 45456B.

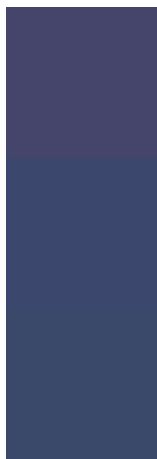


This preview shows how white text looks on a background with the Hex color 45456B.

# 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**  
45456B

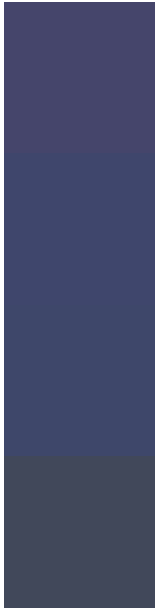
**Protanopia**  
3C476D

**Deuteranopia**  
3A486A



**Tritanopia**  
3F4A50

# Trichromacy



**Original Color**  
45456B

**Protanomaly**  
3F466C

**Deuteranomaly**  
3E476A

**Tritanomaly**  
41485A

# Monochromacy



**Original Color**  
45456B

**Achromatopsia**  
494949

**Achromatomaly**  
484855

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45456B 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 #45456B looks like.

```
.text, #text, p{  
    color:#45456B  
}
```

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 #45456B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45456B
}
```

## Border

The CSS property to change the border of an element to Hex 45456B is called "border". The border property can be set on classes, ids or directly on the HTML element.

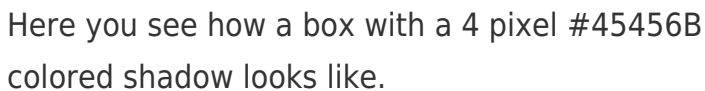
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#45456B }
```

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

```
.border{ border-color:#45456B }
```

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



Here you see how a box with a 4 pixel #45456B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45456B; -webkit-box-shadow:4px 4px  
4px 4px #45456B; box-shadow:4px 4px 4px  
4px #45456B }
```

# Background

The CSS property to change the background color of an element to Hex 45456B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45456B }
```

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

```
.background{ background-color:#45456B }
```

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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