

# Converting Colors

Decimal(4600687)

Have a look what the booklet for  
Decimal(4600687) contains.

<b>Decimal(4600687)</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

**Decimal(4600687)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46336F
RGB	70, 51, 111
RGB Percent	27%, 20%, 44%
CMY	0.7255, 0.8000, 0.5647
CMYK	0.37, 0.54, 0.00, 0.56
HSL	259°, 37%, 32%
HSV	259°, 54%, 44%
XYZ	6.5789, 4.8174, 15.6220
YIQ	63.5210, -7.9360, 22.6880

# Conversions

## Conversions Part 2

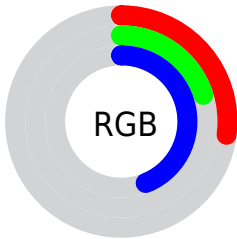
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 51, 111
Decimal	4600687
CIE <sub>Lab</sub>	26.21, 23.36, -31.93
CIE <sub>LCh</sub>	26, 39.563, 306.191
Yxy	4.8174, 0.2435, 0.1783
Android (android.graphics.Color)	4282790767 (0xFF46336F)
YUV	63.5210, 23.4071, 5.6821
Hunter-Lab	21.9487, 15.0931, -26.8358

# Details

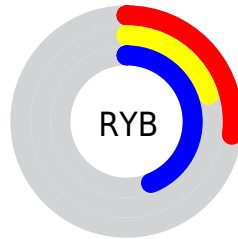
The Decimal color **4600687** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **6057779**, and the grayscale version is **4144959**.

A 20% lighter version of the original color is **7955107**, and **1378367** is the 20% darker color. If you saturate the color by 10%, you get **4073583**, and if you desaturate by 10%, it is **5127791**.

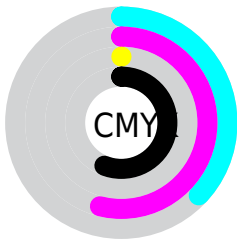
# Distribution



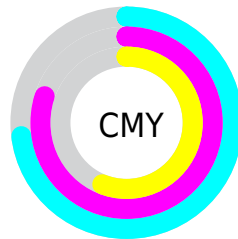
- Red (27%)
- Green (20%)
- Blue (44%)



- Red (27%)
- Yellow (20%)
- Blue (44%)



- Cyan (37%)
- Magenta (54%)
- Yellow (0%)
- Black (56%)



- Cyan (73%)
- Magenta (80%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 4600687 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 Decimal color 4600687 by changing the saturation by 10% instead.



■ 4600687

■ 4600687

16777215

■ 3022166

■ 7955107

■ 1378367

■ 9665470

■ 40

■ 11441626

■ 274

■ 13283575

■ 0

■ 15191039

■ 16771071

■ 4600687

■ 4600687

■ 4073583

■ 5127791

■ 3612015

■ 5589359

■ 3084911

■ 6116463

■ 2623343

■ 6578031

■ 2293871

■ 7105391

■ 7632495

■ 8094063

■ 8621167

■ 9082735

# Harmonies

## Analogous

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



16506



4600687



6759511

# Triad

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



4600687



6238976



19524

# Complementary

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



4600687



6057779

# 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.



18980



4600687



4603648

# Square

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



4600687



7284252



2508293



19297

# Rectangle

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



4600687



7413315



2508293



19257



# Sweetspot

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



4600687



8485521



3365999



4209738



13224393



4868682



# Same Dimension

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



4600687



5321617



6566767



3420728



2490488



5112055



# Inverse Universe

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



7287644



9515891



4091699



3682870



7864402



16187561



# Previews

## White Background



This preview shows how the Decimal color 4600687 looks on a white background.

## Color Contrast Check

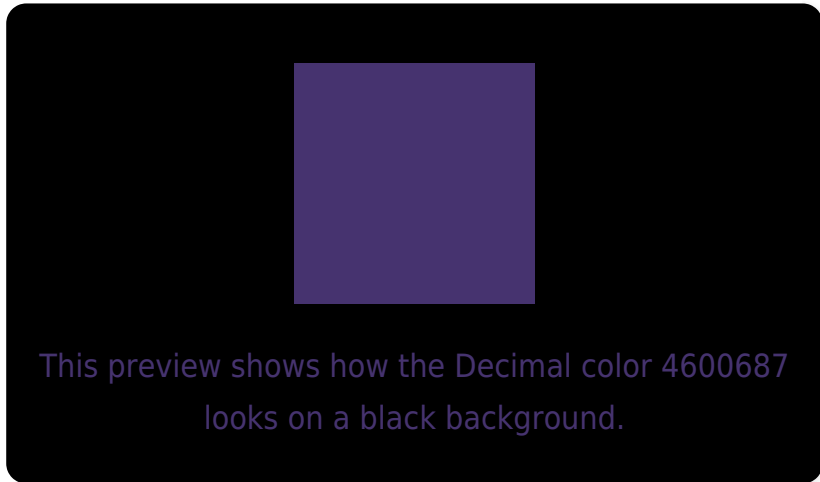
Large Text (above 18pt) WCAG AA ✓ Pass

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](#).



## Decimal 4600687 Background



This preview shows how black text looks on a background with the Decimal color 4600687.

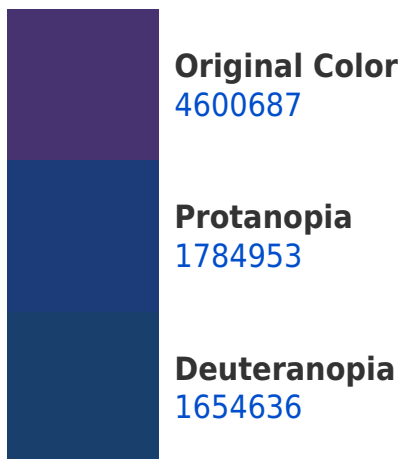


This preview shows how white text looks on a background with the Decimal color 4600687.

# 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





**Tritanopia**  
3948099

# Trichromacy



**Original Color**  
4600687

**Protanomaly**  
2832757

**Deuteranomaly**  
2702189

**Tritanomaly**  
4209235

# Monochromacy



**Original Color**  
4600687

**Achromatopsia**  
4210752

**Achromatomaly**  
4340561

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 4600687 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 #46336F looks like.

```
.text, #text, p{  
    color:#46336F  
}
```

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 #46336F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46336F
}
```

## Border

The CSS property to change the border of an element to Decimal 4600687 is called "border". The border property can be set on classes, ids or directly on the HTML element.

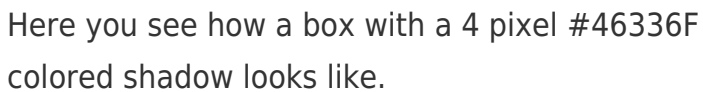
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#46336F }
```

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

```
.border{ border-color:#46336F }
```

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



Here you see how a box with a 4 pixel #46336F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46336F; -webkit-box-shadow:4px 4px  
4px 4px #46336F; box-shadow:4px 4px 4px  
4px #46336F }
```

# Background

The CSS property to change the background color of an element to Decimal 4600687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46336F }
```

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

```
.background{ background-color:#46336F }
```

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