

# Converting Colors

Decimal(109)

Have a look what the booklet for  
Decimal(109) contains.

<b>Decimal(109)</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(109)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00006D
RGB	0, 0, 109
RGB Percent	0%, 0%, 43%
CMY	1.0000, 1.0000, 0.5725
CMYK	1.00, 1.00, 0.00, 0.57
HSL	240°, 100%, 21%
HSV	240°, 100%, 43%
XYZ	2.7603, 1.1041, 14.5356
YIQ	12.4260, -34.9890, 33.8990

# Conversions

## Conversions Part 2

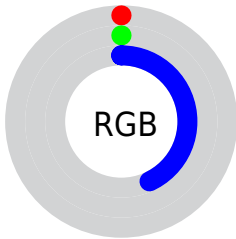
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 0, 109
Decimal	109
CIELab	9.83, 42.35, -57.68
CIELCh	10, 71.560, 306.287
Yxy	1.1041, 0.1500, 0.0600
Android (android.graphics.Color)	4278190189 (0xFF00006D)
YUV	12.4260, 47.6110, -10.8976
Hunter-Lab	10.5077, 28.5023, -74.6620

# Details

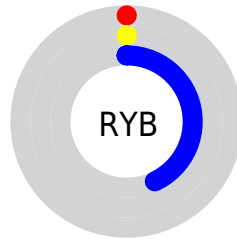
The Decimal color **109** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **7171328**, and the grayscale version is **789516**.

A 20% lighter version of the original color is **4992930**, and **1596** is the 20% darker color. If you saturate the color by 10%, you get **109**, and if you desaturate by 10%, it is **723821**.

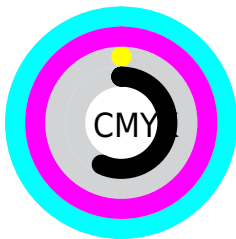
# Distribution



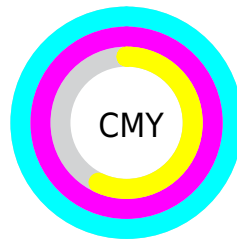
- Red (0%)
- Green (0%)
- Blue (43%)



- Red (0%)
- Yellow (0%)
- Blue (43%)



- Cyan (100%)
- Magenta (100%)
- Yellow (0%)
- Black (57%)



- Cyan (100%)
- Magenta (100%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 109 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 109 by changing the saturation by 10% instead.



 109

 109

 16770815

 84

 4992930

 1596

 6834109

 549

 8740826

 269

 10582519

 0

 12489727

 14397183

 16370431

 109

■ 723821

■ 1447533

■ 2171245

■ 2894957

■ 3618669

■ 4276589

■ 5000301

■ 5724013

■ 6447725

# Harmonies

## Analogous

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



9089



109



5636163

# Triad

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



109



4194560



10277

# Complementary

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



109



7171328

# 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.



9984



109



1711360

# Square

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



109



5898240



9984



11094

# Rectangle

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



109



6488100



9984



10260



# Sweetspot

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



109



6579343



28013



3026503



13092807



4671303



# Same Dimension

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



109



143



3604589



3158070



117



245



# Inverse Universe

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



7143533



9371791



3632384



3551286



7667829

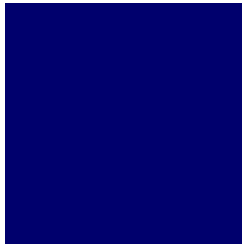


16056565



# Previews

## White Background



This preview shows how the Decimal color 109 looks on a white background.

## Color Contrast Check

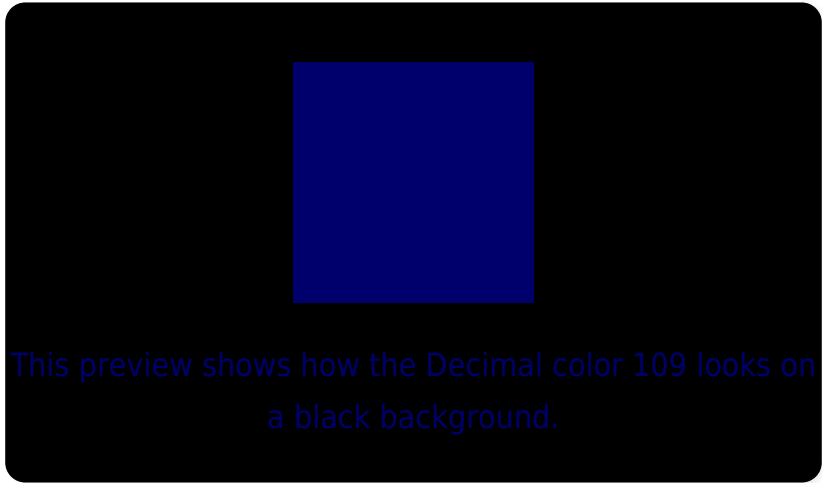
Large Text (above 18pt) WCAG AA ✓ Pass

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

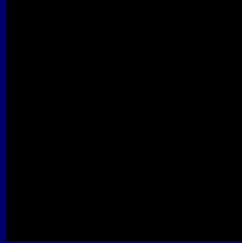
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 109 Background



This preview shows how black text looks on a background with the Decimal color 109.



This preview shows how white text looks on a background with the Decimal color 109.

# 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**  
109

**Protanopia**  
8259

**Deuteranopia**  
8760



**Tritanopia**  
9510

# Trichromacy



**Original Color**  
109

**Protanomaly**  
5202

**Deuteranomaly**  
5707

**Tritanomaly**  
6208

# Monochromacy



**Original Color**  
109

**Achromatopsia**  
789516

**Achromatomaly**  
526383

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 109 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 #00006D looks like.

```
.text, #text, p{  
    color:#00006D  
}
```

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 #00006D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00006D
}
```

## Border

The CSS property to change the border of an element to Decimal 109 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
#00006D }
```

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

```
.border{ border-color:#00006D }
```

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

Here you see how a box with a 4 pixel #00006D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00006D; -webkit-box-shadow:4px 4px  
4px 4px #00006D; box-shadow:4px 4px 4px  
4px #00006D }
```

# Background

The CSS property to change the background color of an element to Decimal 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00006D }
```

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

```
.background{ background-color:#00006D }
```

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