

# Converting Colors

Decimal(15768)

Have a look what the booklet for  
Decimal(15768) contains.

<b>Decimal(15768)</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(15768)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	003D98
RGB	0, 61, 152
RGB Percent	0%, 24%, 60%
CMY	1.0000, 0.7608, 0.4039
CMYK	1.00, 0.60, 0.00, 0.40
HSL	216°, 100%, 30%
HSV	216°, 100%, 60%
XYZ	7.3362, 5.6045, 30.4009
YIQ	53.1350, -65.5670, 15.3690

# Conversions

## Conversions Part 2

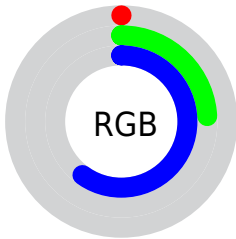
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 44, 152
Decimal	15768
CIELab	28.39, 21.54, -54.18
CIELCh	28, 58.307, 291.683
Yxy	5.6045, 0.1693, 0.1293
Android (android.graphics.Color)	4278205848 (0xFF003D98)
YUV	53.1350, 48.7404, -46.5994
Hunter-Lab	23.6738, 13.8860, -59.5660

# Details

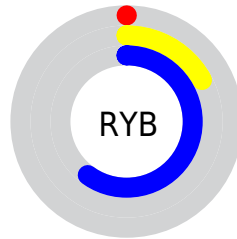
The Decimal color **15768** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **9984768**, and the grayscale version is **3487029**.

A 20% lighter version of the original color is **5598415**, and **5476** is the 20% darker color. If you saturate the color by 10%, you get **15768**, and if you desaturate by 10%, it is **1001112**.

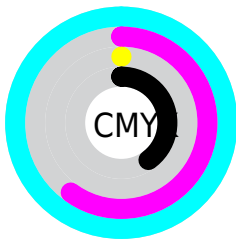
# Distribution



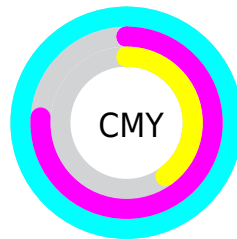
- Red (0%)
- Green (24%)
- Blue (60%)



- Red (0%)
- Yellow (17%)
- Blue (60%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (76%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 15768 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 15768 by changing the saturation by 10% instead.



■ 15768                      ■ 15768

16777215                      ■ 10366

■ 5598415                      ■ 5476

■ 7505388                      ■ 75

■ 9478143                      ■ 1076

■ 11385599                      ■ 542

■ 13293055                      ■ 0

■ 15266559

■ 15768

■ 1001112

■ 1986456

■ 3037336

■ 4022680

■ 5008024

■ 5993624

■ 6978968

■ 8029848

■ 9015192

# Harmonies

## Analogous

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



19869



15768



6955388

# Triad

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



15768



8135936



21557

# Complementary

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



15768



9984768

# 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.



20736



15768



6110464

# Square

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



15768



9240613



3426816



21859

# Rectangle

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



15768



8585312



3426816



21540



# Sweetspot

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



15768



9019844



39001



4214371



14935011



6513507



# Same Dimension

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



15768



20420



852120



4540493



14476



1293



# Inverse Universe

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



9961533



12845135



9148416



5064008



9175096



851973



# Previews

## White Background



This preview shows how the Decimal color 15768 looks on a white background.

## Color Contrast Check

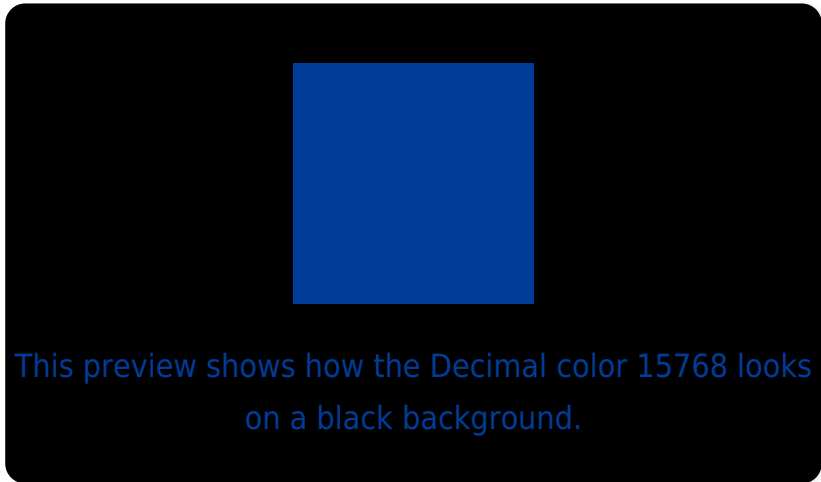
Large Text (above 18pt) WCAG AA ✓ Pass

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

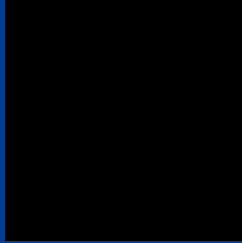
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 15768 Background



This preview shows how black text looks on a background with the Decimal color 15768.



This preview shows how white text looks on a background with the Decimal color 15768.

# 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**  
15768

**Protanopia**  
16778

**Deuteranopia**  
17782



**Tritanopia**  
19279

# Trichromacy



**Original Color**  
15768

**Protanomaly**  
16527

**Deuteranomaly**  
17026

**Tritanomaly**  
18026

# Monochromacy



**Original Color**  
15768

**Achromatopsia**  
3487029

**Achromatomaly**  
2242649

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 15768 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 #003D98 looks like.

```
.text, #text, p{  
    color:#003D98  
}
```

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 #003D98 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003D98
}
```

## Border

The CSS property to change the border of an element to Decimal 15768 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
#003D98 }
```

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

```
.border{ border-color:#003D98 }
```

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

Here you see how a box with a 4 pixel #003D98 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003D98; -webkit-box-shadow:4px 4px  
4px 4px #003D98; box-shadow:4px 4px 4px  
4px #003D98 }
```

# Background

The CSS property to change the background color of an element to Decimal 15768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003D98 }
```

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

```
.background{ background-color:#003D98 }
```

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