

# Converting Colors

Decimal(6566)

Have a look what the booklet for  
Decimal(6566) contains.

<b>Decimal(6566)</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(6566)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0019A6
RGB	0, 25, 166
RGB Percent	0%, 10%, 65%
CMY	1.0000, 0.9020, 0.3490
CMYK	1.00, 0.85, 0.00, 0.35
HSL	231°, 100%, 33%
HSV	231°, 100%, 65%
XYZ	7.2306, 3.4484, 36.3609
YIQ	33.5990, -60.1610, 38.5510

# Conversions

## Conversions Part 2

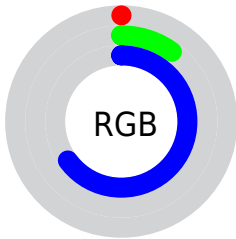
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 22, 166
Decimal	6566
CIELab	21.76, 49.11, -73.66
CIELCh	22, 88.531, 303.694
Yxy	3.4484, 0.1537, 0.0733
Android (android.graphics.Color)	4278196646 (0xFF0019A6)
YUV	33.5990, 65.2737, -29.4663
Hunter-Lab	18.5700, 37.0049, -103.0938

# Details

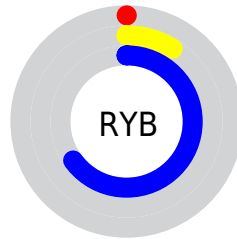
The Decimal color **6566** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **10915072**, and the grayscale version is **2171169**.

A 20% lighter version of the original color is **6113758**, and **112** is the 20% darker color. If you saturate the color by 10%, you get **6566**, and if you desaturate by 10%, it is **1124262**.

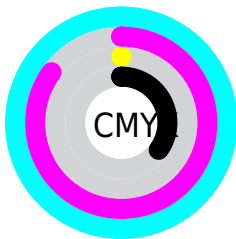
# Distribution



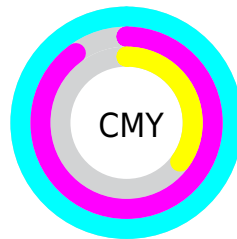
- Red (0%)
- Green (10%)
- Blue (65%)



- Red (0%)
- Yellow (9%)
- Blue (65%)



- Cyan (100%)
- Magenta (85%)
- Yellow (0%)
- Black (35%)




















- Cyan (100%)
- Magenta (90%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 6566 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 6566 by changing the saturation by 10% instead.



 6566	 6566
 16777215	 395
 6113758	 112
 8151548	 599
 10189823	 1598
 12162559	 808
 14135551	 273
 16174335	 0
 16771583	

 6566

■ 1124262

■ 2176422

■ 3294118

■ 4346278

■ 5464230

■ 6581926

■ 7634086

■ 8751782

■ 9803942

# Harmonies

## Analogous

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



16318



6566



8454256

# Triad

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



6566



7081216



18491

# Complementary

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



6566



10915072

# 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.



17920



6566



3814656

# Square

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



6566



9306112



16896



19070

# Rectangle

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



6566



9830469



16896



18468



# Sweetspot

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



6566



10003161



42634



4607086



15592941



7237230



# Same Dimension

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



6566



8665



3604646



5000532



5780



788



# Inverse Universe

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



10879001



14221345



7316992



5524557



9699350

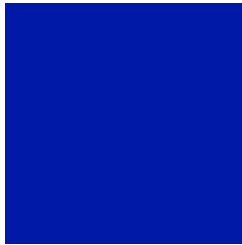


1310723



# Previews

## White Background



This preview shows how the Decimal color 6566 looks on a white background.

## Color Contrast Check

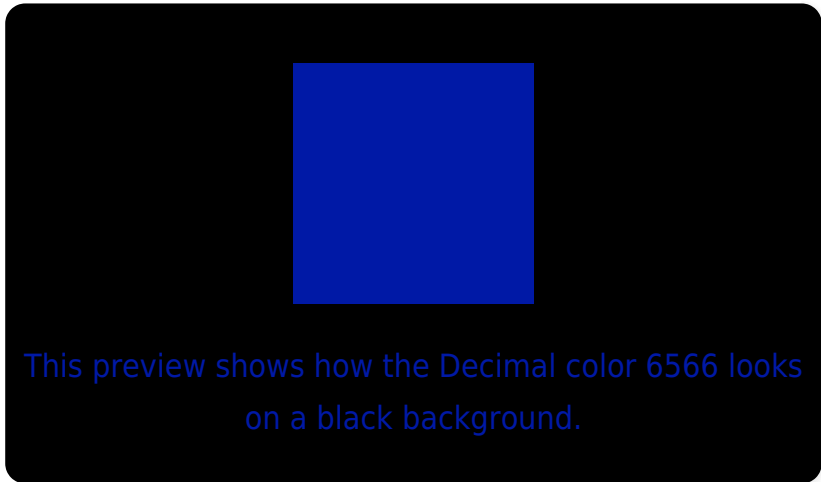
Large Text (above 18pt) WCAG AA ✓ Pass

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

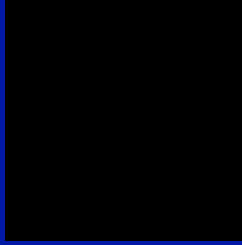
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 6566 Background



This preview shows how black text looks on a background with the Decimal color 6566.



This preview shows how white text looks on a background with the Decimal color 6566.

# 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





# Trichromacy



**Original Color**  
6566

**Protanomaly**  
10882

**Deuteranomaly**  
11383

**Tritanomaly**  
12132

# Monochromacy



**Original Color**  
6566

**Achromatopsia**  
2236962

**Achromatomaly**  
1449810

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 6566 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 #0019A6 looks like.

```
.text, #text, p{  
    color:#0019A6  
}
```

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 #0019A6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0019A6
}
```

## Border

The CSS property to change the border of an element to Decimal 6566 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
#0019A6 }
```

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

```
.border{ border-color:#0019A6 }
```

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

Here you see how a box with a 4 pixel #0019A6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0019A6; -webkit-box-shadow:4px 4px  
4px 4px #0019A6; box-shadow:4px 4px 4px  
4px #0019A6 }
```

# Background

The CSS property to change the background color of an element to Decimal 6566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0019A6 }
```

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

```
.background{ background-color:#0019A6 }
```

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