

# Converting Colors

Decimal(4935309)

Have a look what the booklet for  
Decimal(4935309) contains.

<b>Decimal(4935309)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Decimal(4935309)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4B4E8D
RGB	75, 78, 141
RGB Percent	29%, 31%, 55%
CMY	0.7059, 0.6941, 0.4471
CMYK	0.47, 0.45, 0.00, 0.45
HSL	237°, 31%, 42%
HSV	237°, 47%, 55%
XYZ	10.4338, 8.8677, 26.3610
YIQ	84.2850, -22.0110, 18.9570

# Conversions

## Conversions Part 2

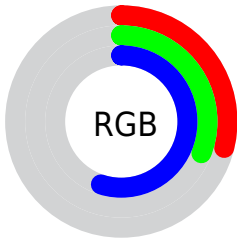
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	75, 78, 141
Decimal	4935309
CIE <sub>Lab</sub>	35.73, 16.44, -35.46
CIE <sub>LCh</sub>	36, 39.090, 294.871
Yxy	8.8677, 0.2285, 0.1942
Android (android.graphics.Color)	4283125389 (0xFF4B4E8D)
YUV	84.2850, 27.9605, -8.1429
Hunter-Lab	29.7787, 10.4294, -31.6402

# Details

The Decimal color **4935309** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **9275979**, and the grayscale version is **5526612**.

A 20% lighter version of the original color is **8355779**, and **1385050** is the 20% darker color. If you saturate the color by 10%, you get **4014477**, and if you desaturate by 10%, it is **5856141**.

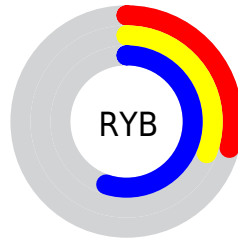
# Distribution



 Red (29%)

 Green (31%)

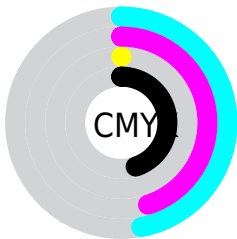
 Blue (55%)




 Red (29%)

 Yellow (31%)

 Blue (55%)

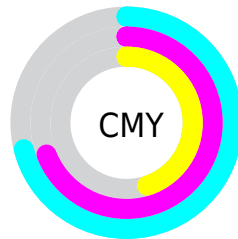


 Cyan (47%)

 Magenta (45%)

 Yellow (0%)

 Black (45%)



 Cyan (71%)

 Magenta (69%)

 Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 4935309 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 4935309 by changing the saturation by 10% instead.



■ 4935309

■ 4935309

16777215

■ 3225459

■ 8355779

■ 1385050

■ 10131935

■ 3650

■ 11973884

■ 812

■ 13815807

■ 278

■ 15723519

■ 0

■ 4935309

■ 4935309

■ 4014477

■ 5856141

■ 3093389

■ 6777229

■ 2172557

■ 7698061

■ 1251469

■ 8619149

■ 265101

■ 9605517

■ 1677

■ 10526605

■ 11447437

■ 12368525

■ 13289357

# Harmonies

## Analogous

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



22930



4935309



7684472

# Triad

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



4935309



8406049



25421

# Complementary

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



4935309



9275979

# 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.



2187310



4935309



6902032

# Square

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



4935309



9189692



4938262



25453

# Rectangle

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



4935309



8730981



4938262



25155



# Sweetspot

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



4935309



10395576



4951434



5000540



14408667



6052956



# Same Dimension

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



4935309



5330360



6900621



4211015



1671



8



# Inverse Universe

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



9259854



12079445



7310667



4669505



8847366



524288



# Previews

## White Background



This preview shows how the Decimal color 4935309 looks on a white background.

## Color Contrast Check

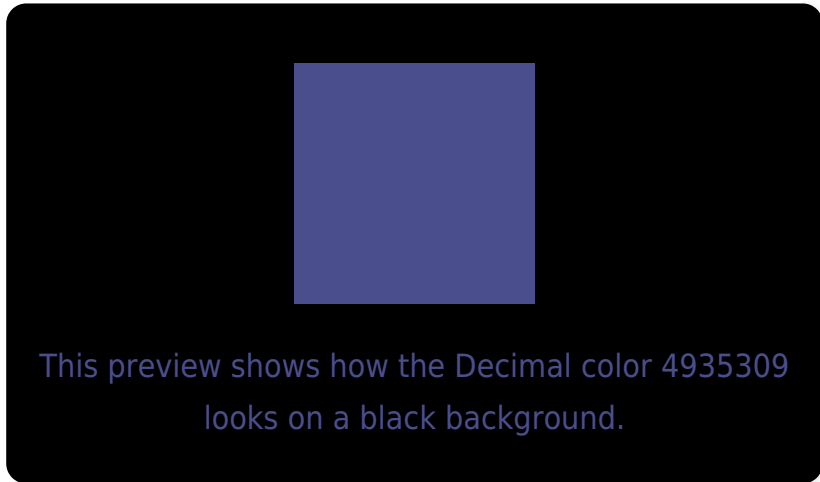
Large Text (above 18pt) WCAG AA ✓ Pass

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

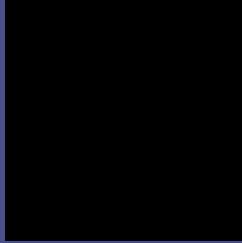
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 4935309 Background



This preview shows how black text looks on a background with the Decimal color 4935309.

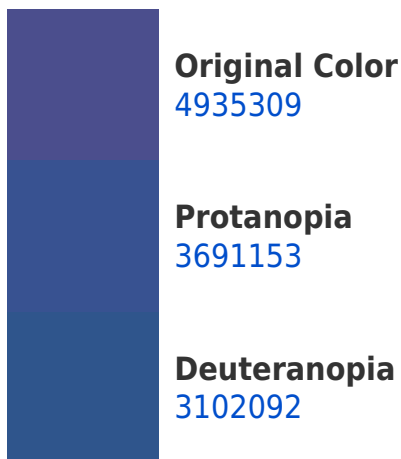


This preview shows how white text looks on a background with the Decimal color 4935309.

# 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**  
4935309

**Protanomaly**  
4149648

**Deuteranomaly**  
3756684

**Tritanomaly**  
4412528

# Monochromacy



**Original Color**  
4935309

**Achromatopsia**  
5526612

**Achromatomaly**  
5329513

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 4935309 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 #4B4E8D looks like.

```
.text, #text, p{  
    color:#4B4E8D  
}
```

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 #4B4E8D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B4E8D
}
```

## Border

The CSS property to change the border of an element to Decimal 4935309 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".

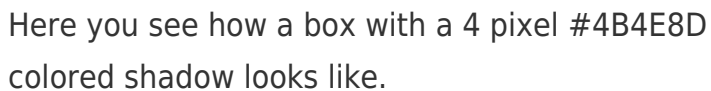
```
.border, #border, table{ border:4px solid
#4B4E8D }
```

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

```
.border{ border-color:#4B4E8D }
```

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

Here you see how a box with a 4 pixel #4B4E8D colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4 pixel #4B4E8D colored shadow.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B4E8D; -webkit-box-shadow:4px 4px  
4px 4px #4B4E8D; box-shadow:4px 4px 4px  
4px #4B4E8D }
```

# Background

The CSS property to change the background color of an element to Decimal 4935309 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B4E8D }
```

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

```
.background{ background-color:#4B4E8D }
```

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