

# Converting Colors

Decimal(5007027)

Have a look what the booklet for  
Decimal(5007027) contains.

<b>Decimal(5007027)</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(5007027)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4C66B3
RGB	76, 102, 179
RGB Percent	30%, 40%, 70%
CMY	0.7020, 0.6000, 0.2980
CMYK	0.58, 0.43, 0.00, 0.30
HSL	225°, 40%, 50%
HSV	225°, 58%, 70%
XYZ	15.8685, 14.2939, 44.5705
YIQ	103.0040, -40.2130, 18.4350

# Conversions

## Conversions Part 2

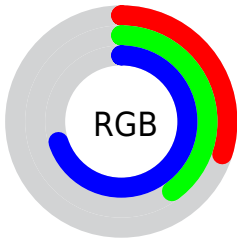
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	76, 97, 179
Decimal	5007027
CIE <sub>Lab</sub>	44.65, 13.89, -43.93
CIE <sub>LCh</sub>	45, 46.072, 287.547
Yxy	14.2939, 0.2123, 0.1913
Android (android.graphics.Color)	4283197107 (0xFF4C66B3)
YUV	103.0040, 37.4660, -23.6825
Hunter-Lab	37.8073, 8.7576, -43.4310

# Details

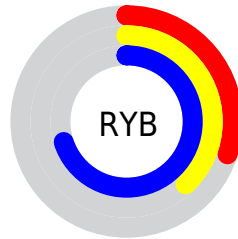
The Decimal color **5007027** is a dark color, and the websafe version is hex **3366CC**. A complement of this color would be **11770188**, and the grayscale version is **6776679**.

A 20% lighter version of the original color is **8690155**, and **14462** is the 20% darker color. If you saturate the color by 10%, you get **3824051**, and if you desaturate by 10%, it is **6190003**.

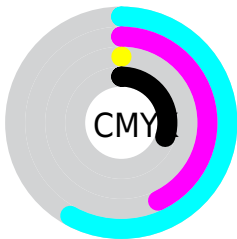
# Distribution



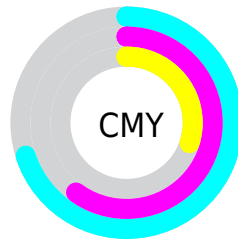
- Red (30%)
- Green (40%)
- Blue (70%)



- Red (30%)
- Yellow (38%)
- Blue (70%)



- Cyan (58%)
- Magenta (43%)
- Yellow (0%)
- Black (30%)



- Cyan (70%)
- Magenta (60%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 5007027 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 5007027 by changing the saturation by 10% instead.



■ 5007027

■ 5007027

16777215

■ 3034776

■ 8690155

■ 14462

■ 10597375

■ 9060

■ 12439551

■ 3660

■ 14347263

■ 1076

■ 16318463

■ 542

■ 1

■ 0

■ 5007027

■ 5007027

■ 3824051

■ 6190003

■ 2640819

■ 7373235

■ 1457843

■ 8556211

■ 274611

■ 9739443

■ 11699

■ 10856883

■ 12039859

■ 13223091

■ 14406067

■ 15589043

# Harmonies

## Analogous

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



29364



5007027



8935070

# Triad

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



5007027



10769202



31576

# Complementary

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



5007027



11770188

# 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.



3897139



5007027



9134617

# Square

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



5007027



11487061



6844184



31872

# Rectangle

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



5007027



10439816



6844184



31307



# Sweetspot

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



5007027



12700648



5026712



6186101



16119285



7697781



# Same Dimension

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



5007027



4747496



6573235



5264217



10137



1562



# Inverse Universe

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



11750502



15222896



10203980



5853267



10027047

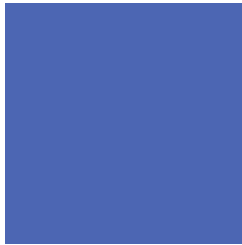


1703942



# Previews

## White Background



This preview shows how the Decimal color 5007027 looks on a white background.

## Color Contrast Check

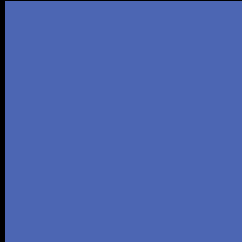
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Decimal color 5007027 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 5007027 Background



This preview shows how black text looks on a background with the Decimal color 5007027.



This preview shows how white text looks on a background with the Decimal color 5007027.

# 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



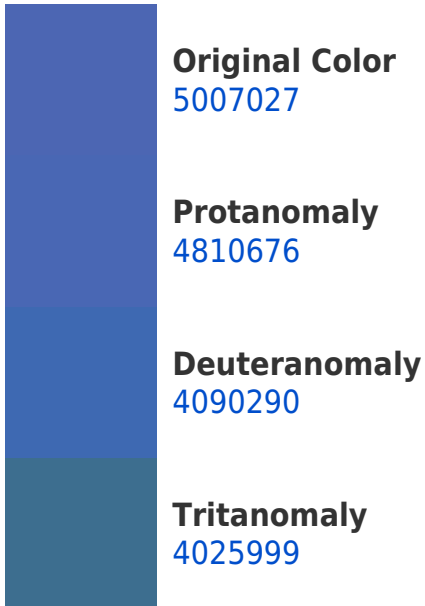
**Original Color**  
5007027

**Protanopia**  
4745140

**Deuteranopia**  
3566258



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 5007027 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 #4C66B3 looks like.

```
.text, #text, p{  
  color:#4C66B3  
}
```

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 #4C66B3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4C66B3
}
```

## Border

The CSS property to change the border of an element to Decimal 5007027 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
#4C66B3 }
```

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

```
.border{ border-color:#4C66B3 }
```

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

Here you see how a box with a 4 pixel #4C66B3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4C66B3; -webkit-box-shadow:4px 4px  
4px 4px #4C66B3; box-shadow:4px 4px 4px  
4px #4C66B3 }
```

# Background

The CSS property to change the background color of an element to Decimal 5007027 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4C66B3 }
```

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

```
.background{ background-color:#4C66B3 }
```

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