

# Converting Colors

Decimal(4617920)

Have a look what the booklet for  
Decimal(4617920) contains.

<b>Decimal(4617920)</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(4617920)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4676C0
RGB	70, 118, 192
RGB Percent	27%, 46%, 75%
CMY	0.7255, 0.5373, 0.2471
CMYK	0.64, 0.39, 0.00, 0.25
HSL	216°, 49%, 51%
HSV	216°, 64%, 75%
XYZ	18.5186, 18.0647, 52.3800
YIQ	112.0840, -52.3620, 12.8380

# Conversions

## Conversions Part 2

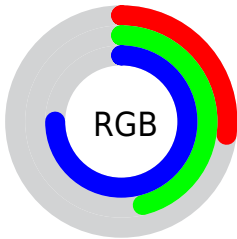
Format	Color
R <sub>Y</sub> B	70, 104, 192
Decimal	4617920
CIE Lab	49.57, 7.21, -43.65
CIE LCh	50, 44.243, 279.385
Yxy	18.0647, 0.2082, 0.2031
Android (android.graphics.Color)	4282808000 (0xFF4676C0)
YUV	112.0840, 39.3986, -36.9077
Hunter-Lab	42.5026, 3.3939, -43.3168

# Details

The Decimal color **4617920** is a dark color, and the websafe version is hex **336699**. The color can be described as dark muted azure. A complement of this color would be **12619846**, and the grayscale version is **7368816**.

A 20% lighter version of the original color is **8497913**, and **18058** is the 20% darker color. If you saturate the color by 10%, you get **3369664**, and if you desaturate by 10%, it is **5866176**.

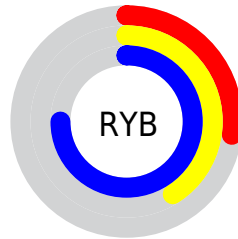
# Distribution



Red (27%)

Green (46%)

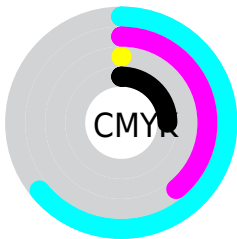
Blue (75%)



Red (27%)

Yellow (41%)

Blue (75%)

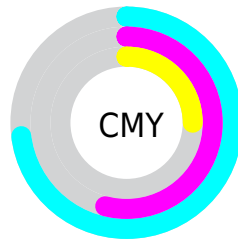


Cyan (64%)

Magenta (39%)

Yellow (0%)

Black (25%)



Cyan (73%)

Magenta (54%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 4617920 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 4617920 by changing the saturation by 10% instead.



■ 4617920

■ 4617920

16777215

■ 2317989

■ 8497913

■ 18058

■ 10405375

■ 12656

■ 12313087

■ 7511

■ 14220799

■ 576

■ 16187391

■ 809

■ 274

■ 0

■ 4617920

■ 4617920

■ 3369664

■ 5866176

■ 2121664

■ 7114176

■ 807872

■ 8427968

■ 19648

■ 9676224

■ 10924224

■ 12172480

■ 13420736

■ 14734272

■ 15982528

# Harmonies

## Analogous

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



33212



4617920



8939440

# Triad

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



4617920



11885640



1083226

# Complementary

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



4617920



12619846

# 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.



5734713



4617920



10512942

# Square

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



4617920



12276843



8419367



34945

# Rectangle

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



4617920



10706333



8419367



3310926



# Sweetspot

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



4617920



13295098



4636815



6319229



16579836



8224125



# Same Dimension

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



4617920



3966970



5392064



5725025



16289



3361



# Inverse Universe

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



12600950



16399495



11845702



6379355



10551359



2162701



# Previews

## White Background



This preview shows how the Decimal color 4617920 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 4617920 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

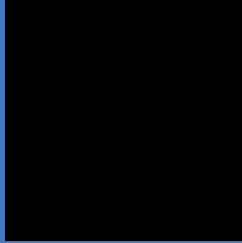
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

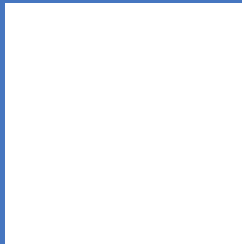
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Decimal 4617920 Background



This preview shows how black text looks on a background with the Decimal color 4617920.

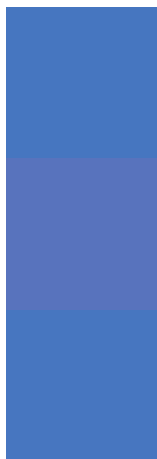


This preview shows how white text looks on a background with the Decimal color 4617920.

# 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



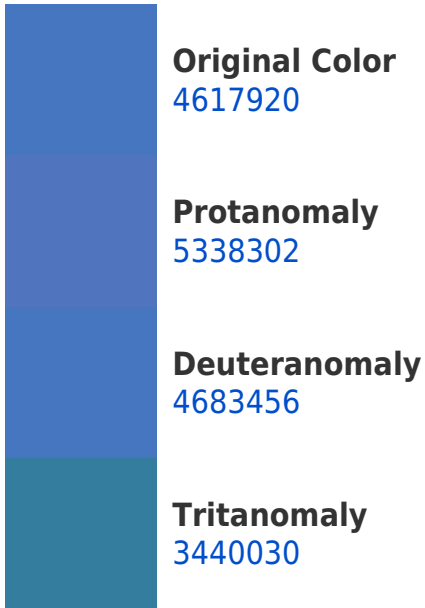
**Original Color**  
4617920

**Protanopia**  
5796797

**Deuteranopia**  
4683456



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 4617920 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 #4676C0 looks like.

```
.text, #text, p{  
    color:#4676C0  
}
```

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 #4676C0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4676C0
}
```

## Border

The CSS property to change the border of an element to Decimal 4617920 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
#4676C0 }
```

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

```
.border{ border-color:#4676C0 }
```

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

Here you see how a box with a 4 pixel #4676C0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4676C0; -webkit-box-shadow:4px 4px  
4px 4px #4676C0; box-shadow:4px 4px 4px  
4px #4676C0 }
```

# Background

The CSS property to change the background color of an element to Decimal 4617920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4676C0 }
```

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

```
.background{ background-color:#4676C0 }
```

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