

# Converting Colors

Decimal(5052230)

Have a look what the booklet for  
Decimal(5052230) contains.

<b>Decimal(5052230)</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(5052230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D1746
RGB	77, 23, 70
RGB Percent	30%, 9%, 27%
CMY	0.6980, 0.9098, 0.7255
CMYK	0.00, 0.70, 0.09, 0.70
HSL	308°, 54%, 20%
HSV	308°, 70%, 30%
XYZ	4.4725, 2.6328, 6.0668
YIQ	44.5040, 17.0970, 26.0650

# Conversions

## Conversions Part 2

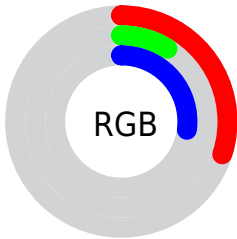
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	77, 23, 70
Decimal	5052230
CIE Lab	18.51, 31.77, -16.89
CIE LCh	19, 35.979, 332.000
Yxy	2.6328, 0.3395, 0.1999
Android (android.graphics.Color)	4283242310 (0xFF4D1746)
YUV	44.5040, 12.5695, 28.4990
Hunter-Lab	16.2258, 20.8063, -10.8104

# Details

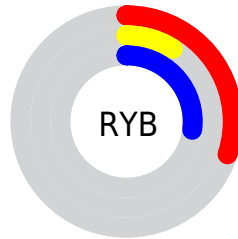
The Decimal color **5052230** is a dark color, and the websafe version is hex **330033**. A complement of this color would be **1527070**, and the grayscale version is **2894892**.

A 20% lighter version of the original color is **8406903**, and **2162715** is the 20% darker color. If you saturate the color by 10%, you get **5050181**, and if you desaturate by 10%, it is **5054279**.

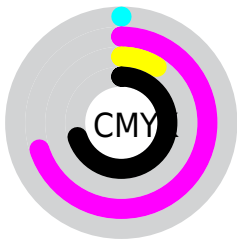
# Distribution



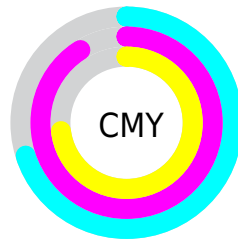
- Red (30%)
- Green (9%)
- Blue (27%)



- Red (30%)
- Yellow (9%)
- Blue (27%)



- Cyan (0%)
- Magenta (70%)
- Yellow (9%)
- Black (70%)



- Cyan (70%)
- Magenta (91%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Decimal color 5052230 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 5052230 by changing the saturation by 10% instead.



■ 5052230

■ 5052230

16777215

■ 3473455

■ 8406903

■ 2162715

■ 10182544

■ 0

■ 11958699

■ 13800390

■ 15707874

■ 16763647

■ 16770815

■ 5052230

■ 5052230

■ 5050181

■ 5054279

■ 5048388

■ 5056072

■ 5046339

■ 5058121

■ 5060170

■ 5062219

■ 5064012

■ 5066061

■ 5068110

■ 5069903

# Harmonies

## Analogous

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



2958682



5052230



5901613

# Triad

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



5052230



3616000



14408

# Complementary

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



5052230



1527070

# 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.



14382



5052230



1979136

# Square

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



5052230



4989440



14099



13915

# Rectangle

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



5052230



5902619



14099



14656



# Sweetspot

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



5052230



6508385



1906509



3352113



11776947



3355443



# Same Dimension

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



5052230



6492249



5052204



2499110



6684761



15073480



# Inverse Universe

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



5052230



6492249



1527096



2499110



6684761

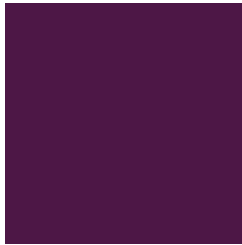


15073480



# Previews

## White Background



This preview shows how the Decimal color 5052230 looks on a white background.

## Color Contrast Check

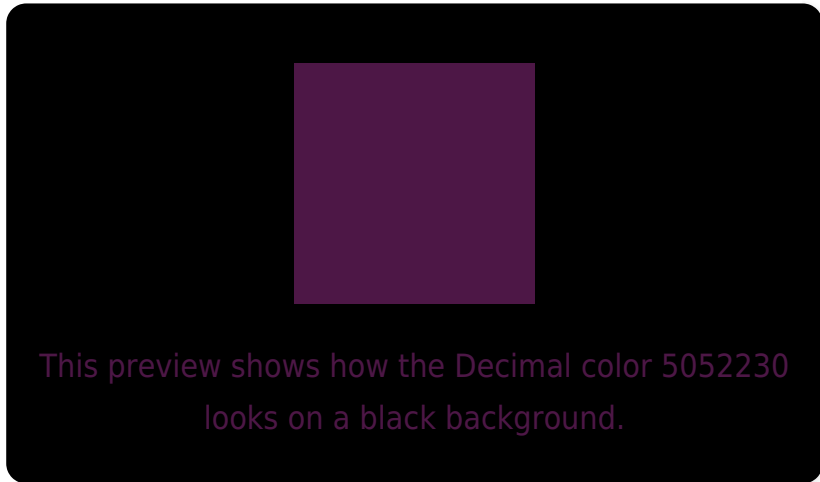
Large Text (above 18pt) WCAG AA ✓ Pass

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

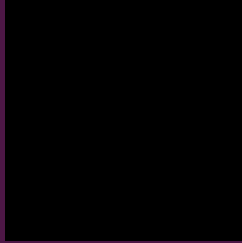
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Decimal 5052230 Background



This preview shows how black text looks on a background with the Decimal color 5052230.



This preview shows how white text looks on a background with the Decimal color 5052230.

# 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**  
5052230

**Protanopia**  
1387865

**Deuteranopia**  
2567747



**Tritanopia**  
4858404

# Trichromacy



**Original Color**  
5052230

**Protanomaly**  
2696530

**Deuteranomaly**  
3483204

**Tritanomaly**  
4922928

# Monochromacy



**Original Color**  
5052230

**Achromatopsia**  
2960685

**Achromatomaly**  
3745078

# CSS Examples

## Text

The CSS property to change the color of the text to Decimal 5052230 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 #4D1746 looks like.

```
.text, #text, p{  
    color:#4D1746  
}
```

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 #4D1746 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D1746
}
```

## Border

The CSS property to change the border of an element to Decimal 5052230 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".

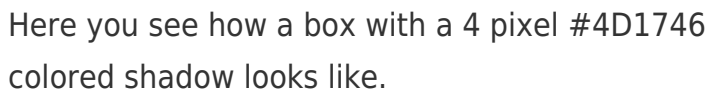
```
.border, #border, table{ border:4px solid
#4D1746 }
```

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

```
.border{ border-color:#4D1746 }
```

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

Here you see how a box with a 4 pixel #4D1746 colored shadow looks like.

A rectangular box with a dark purple border and a dark purple shadow. The box is white with a thin dark purple border on the top, left, and bottom edges. The right edge is a thick dark purple bar. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #4D1746 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D1746; -webkit-box-shadow:4px 4px  
4px 4px #4D1746; box-shadow:4px 4px 4px  
4px #4D1746 }
```

# Background

The CSS property to change the background color of an element to Decimal 5052230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D1746 }
```

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

```
.background{ background-color:#4D1746 }
```

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