

# Converting Colors

Hex(428217)

Have a look what the booklet for  
Hex(428217) contains.

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**Color**

**Hex(428217)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	428217
RGB	66, 130, 23
RGB Percent	26%, 51%, 9%
CMY	0.7412, 0.4902, 0.9098
CMYK	0.49, 0.00, 0.82, 0.49
HSL	96°, 70%, 30%
HSV	96°, 82%, 51%
XYZ	10.3841, 17.1854, 3.5804
YIQ	98.6660, -3.7970, -46.8450

# Conversions

## Conversions Part 2

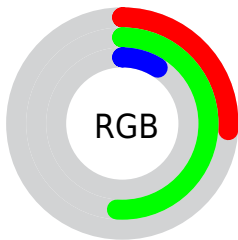
Format	Color
<a href="#">RYB</a>	<a href="#">23, 130, 87</a>
Decimal	<a href="#">4358679</a>
CIELab	<a href="#">48.49, -38.96, 47.12</a>
CIElCh	<a href="#">48, 61.140, 129.585</a>
Yxy	<a href="#">17.1854, 0.3334, 0.5517</a>
Android (android.graphics.Color)	<a href="#">4282548759</a> ( <a href="#">0xFF428217</a> )
YUV	<a href="#">98.6660, -37.3033, -28.6481</a>
Hunter-Lab	<a href="#">41.4552, -27.8345, 23.8979</a>

# Details

The Hex color **428217** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **571782**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **78B84D**, and **025000** is the 20% darker color. If you saturate the color by 10%, you get **3A820A**, and if you desaturate by 10%, it is **4A8224**.

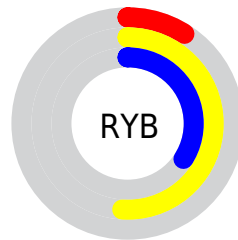
# Distribution



Red (26%)

Green (51%)

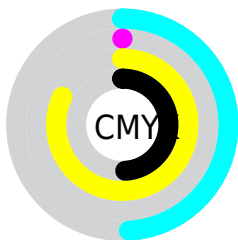
Blue (9%)



Red (9%)

Yellow (51%)

Blue (34%)

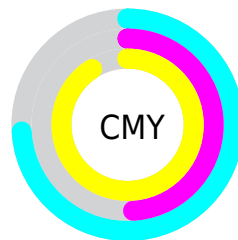


Cyan (49%)

Magenta (0%)

Yellow (82%)

Black (49%)



Cyan (74%)

Magenta (49%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 428217 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 Hex color 428217 by changing the saturation by 10% instead.





428217



428217

FFFFFF



266800



78B84D



025000



94D367



003800



B0F081



002400



CCFF9C



000000



E9FFB7



FFFFD4



FFFFF1



428217



428217

■ 3A820A

■ 4A8224

■ 348200

■ 528231

■ 59823E

■ 61824B

■ 698258

■ 718265

■ 788272

■ 80827F

■ 88828C

# Harmonies

## Analogous

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



7C7600



428217



00884D

# Triad

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



428217



0082D4



CE3A65

# Complementary

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



428217



571782

# 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.



BD4498



428217



0074DA

# Square

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



428217



0089B4



895DC4



C54C33

# Rectangle

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



428217



008A71



895DC4



CC3A76



# Sweetspot

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



428217



8FA87E



825517



45543B



D4D4D4



545454



# Same Dimension

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



428217



45A802



178220



3C4039



338000



000000



# Inverse Universe

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



571782



6502A8



821779



3D3940



4C0080



000000



# Previews

## White Background



This preview shows how the Hex color 428217 looks on a white background.

## Color Contrast Check

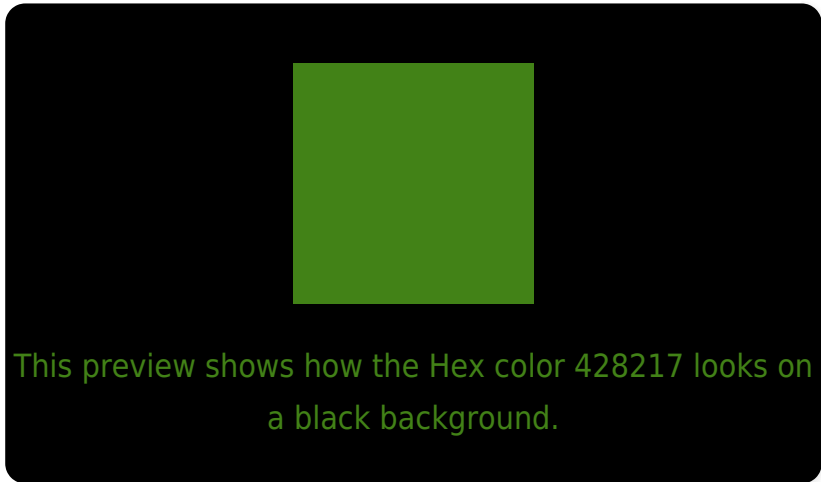
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

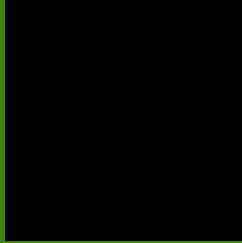
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 428217 Background



This preview shows how black text looks on a background with the Hex color 428217.



This preview shows how white text looks on a background with the Hex color 428217.

# 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](#).

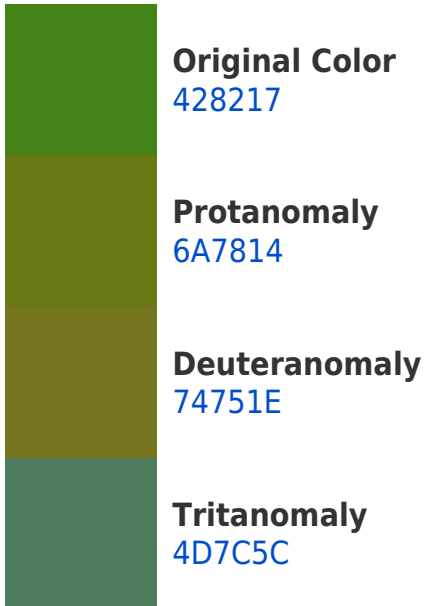
## Dichromacy



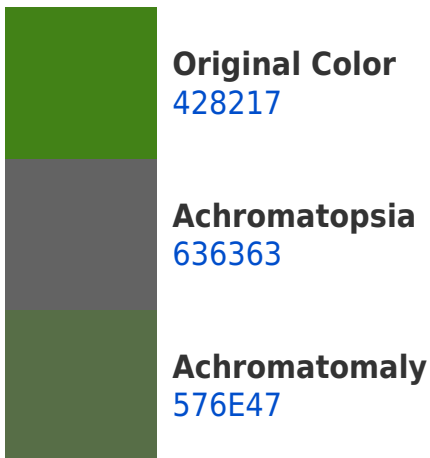


**Tritanopia**  
537983

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 428217 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 #428217 looks like.

```
.text, #text, p{  
    color:#428217  
}
```

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 #428217 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #428217
}
```

## Border

The CSS property to change the border of an element to Hex 428217 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
#428217 }
```

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

```
.border{ border-color:#428217 }
```

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

Here you see how a box with a 4 pixel #428217 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #428217; -webkit-box-shadow:4px 4px  
4px 4px #428217; box-shadow:4px 4px 4px  
4px #428217 }
```

# Background

The CSS property to change the background color of an element to Hex 428217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#428217 }
```

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

```
.background{ background-color:#428217 }
```

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](#).



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