

# Converting Colors

Hex(28A42A)

Have a look what the booklet for  
Hex(28A42A) contains.

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# Color

Hex(28A42A)

# Conversions

## Conversions Part 1

Format	Color
Hex	28A42A
RGB	40, 164, 42
RGB Percent	16%, 64%, 16%
CMY	0.8431, 0.3569, 0.8353
CMYK	0.76, 0.00, 0.74, 0.36
HSL	121°, 61%, 40%
HSV	121°, 76%, 64%
XYZ	14.5684, 27.1692, 6.6668
YIQ	113.0160, -34.7420, -64.2300

# Conversions

## Conversions Part 2

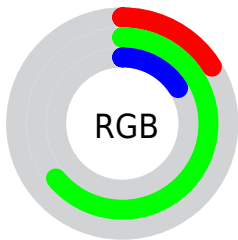
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 162, 164
Decimal	2663466
CIE <sub>Lab</sub>	59.13, -56.25, 50.71
CIE <sub>LCh</sub>	59, 75.734, 137.969
Yxy	27.1692, 0.3010, 0.5613
Android (android.graphics.Color)	4280853546 (0xFF28A42A)
YUV	113.0160, -35.0109, -64.0350
Hunter-Lab	52.1241, -41.3272, 28.9035

# Details

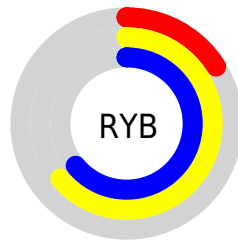
The Hex color **28A42A** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **A428A2**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **6ADC5F**, and **006F00** is the 20% darker color. If you saturate the color by 10%, you get **18A41A**, and if you desaturate by 10%, it is **38A43A**.

# Distribution



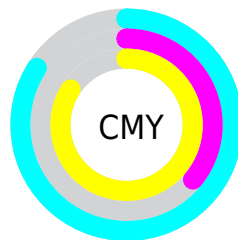
- Red (16%)
- Green (64%)
- Blue (16%)



- Red (16%)
- Yellow (64%)
- Blue (64%)



- Cyan (76%)
- Magenta (0%)
- Yellow (74%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28A42A 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 28A42A by changing the saturation by 10% instead.



 28A42A

 28A42A

FFFFFF

 008908

 6ADC5F

 006F00

 88F97A

 005500

 A5FF95

 003C00

 C3FFB1

 002600

 E1FFCD

 000000

 FFFFEA

 28A42A

 28A42A

 18A41A

 38A43A

 07A40A

 49A44A

 00A403

 59A45A

 6AA46B

 7AA47B

 8AA48B

 9BA49B

 ABA4AB

 BCA4BB

# Harmonies

## Analogous

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



869700



28A42A



00AA70

# Triad

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



28A42A



009EFF



FF456A

# Complementary

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



28A42A



A428A2

# 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.



F747AC



28A42A



4488FF

# Square

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



28A42A



00A9F1



C268E8



ED632A

# Rectangle

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



28A42A



00AC9F



C268E8



FF4080



# Sweetspot

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



28A42A



A5D6A6



A4A428



4D6B4E



EBEBEB



6B6B6B



# Same Dimension

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



28A42A



13D616



28A466



49524A



009102



001200



# Inverse Universe

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



A428A2



D613D3



A42866



524951



91008F



120012



# Previews

## White Background



This preview shows how the Hex color 28A42A looks on a white background.

## Color Contrast Check

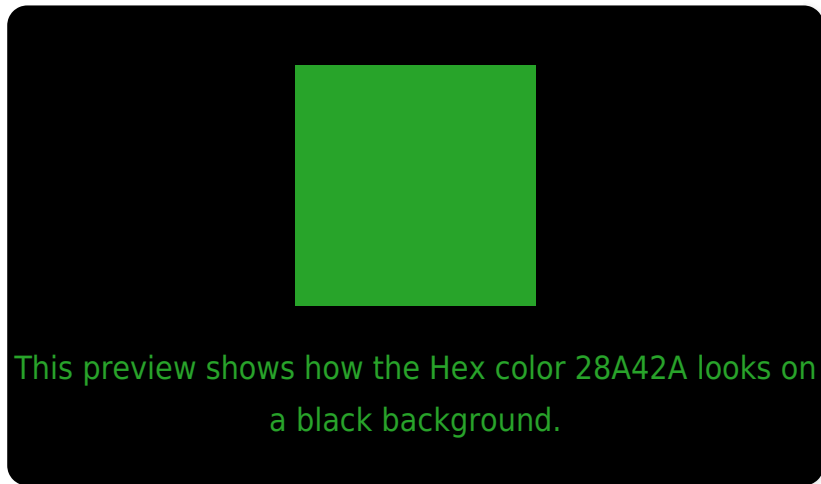
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

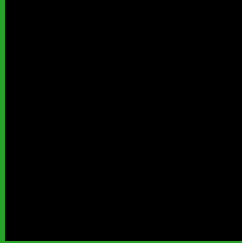
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 28A42A Background



This preview shows how black text looks on a background with the Hex color 28A42A.



This preview shows how white text looks on a background with the Hex color 28A42A.

# 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**  
28A42A

**Protanopia**  
9F8E24

**Deuteranopia**  
B08636



**Tritanopia**  
4D99A5

# Trichromacy



**Original Color**  
28A42A



**Protanomaly**  
749626



**Deuteranomaly**  
7F9132



**Tritanomaly**  
409D78

# Monochromacy



**Original Color**  
28A42A



**Achromatopsia**  
717171



**Achromatomaly**  
568457

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28A42A 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 #28A42A looks like.

```
.text, #text, p{  
    color:#28A42A  
}
```

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 #28A42A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28A42A
}
```

## Border

The CSS property to change the border of an element to Hex 28A42A 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
#28A42A }
```

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

```
.border{ border-color:#28A42A }
```

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

Here you see how a box with a 4 pixel #28A42A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28A42A; -webkit-box-shadow:4px 4px  
4px 4px #28A42A; box-shadow:4px 4px 4px  
4px #28A42A }
```

# Background

The CSS property to change the background color of an element to Hex 28A42A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28A42A }
```

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

```
.background{ background-color:#28A42A }
```

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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