

# Converting Colors

Hex(42A457)

Have a look what the booklet for  
Hex(42A457) contains.

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**Color**

**Hex(42A457)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 42A457                       |
| RGB         | 66, 164, 87                  |
| RGB Percent | 26%, 64%, 34%                |
| CMY         | 0.7412, 0.3569, 0.6588       |
| CMYK        | 0.60, 0.00, 0.47, 0.36       |
| HSL         | 133°, 43%, 45%               |
| HSV         | 133°, 60%, 64%               |
| XYZ         | 17.2425, 28.3973, 13.5893    |
| YIQ         | 125.9200, -33.6910, -44.7230 |

# Conversions

## Conversions Part 2

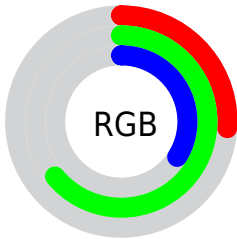
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 66, 147, 164                    |
| Decimal                             | 4367447                         |
| CIELab                              | 60.25, -45.60, 31.51            |
| CIElCh                              | 60, 55.428, 145.355             |
| Yxy                                 | 28.3973, 0.2911,<br>0.4794      |
| Android<br>(android.graphics.Color) | 4282557527<br>(0xFF42A457)      |
| YUV                                 | 125.9200, -19.1876,<br>-52.5498 |
| Hunter-Lab                          | 53.2891, -35.4995,<br>22.1828   |

# Details

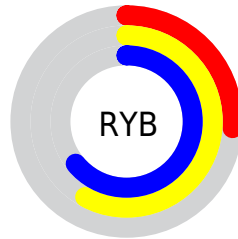
The Hex color **42A457** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A4428F**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **7BDC8A**, and **006F27** is the 20% darker color. If you saturate the color by 10%, you get **32A44A**, and if you desaturate by 10%, it is **52A464**.

# Distribution



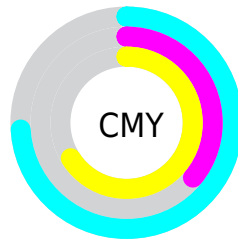
- Red (26%)
- Green (64%)
- Blue (34%)



- Red (26%)
- Yellow (58%)
- Blue (64%)



- Cyan (60%)
- Magenta (0%)
- Yellow (47%)
- Black (36%)



- Cyan (74%)
- Magenta (36%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42A457 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 42A457 by changing the saturation by 10% instead.





42A457



42A457

FFFFFF



22893F



7BDC8A



006F27



97F9A5



00560F



B4FFC0



003D00



D1FFDC



002900



EEFFF9



000200



000000



42A457



42A457




32A44A



52A464

 21A43D

 63A471

 11A430

 73A47E

 00A423

 84A48B

 94A497

 A4A4A4

 B5A4B1

 C5A4BE

 D6A4CB

# Harmonies

## Analogous

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



839B32



42A457



00A888

# Triad

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



42A457



0099F3



E9686A

# Complementary

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



42A457



A4428F

# 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.



E5659B



42A457



8587EA

# Square

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



42A457



00A4E1



C573C9



D67941

# Rectangle

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



42A457



00A9AA



C573C9



EB657A



# Sweetspot

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



42A457



B0D6B8



90A442



546B59



EBEBEB



6B6B6B



# Same Dimension

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



42A457



3CD65D



42A487



49524B



00911F



001204



# Inverse Universe

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



A4428F



D63CB5



A4425F



524950



910072



12000E



# Previews

## White Background



This preview shows how the Hex color 42A457 looks on a white background.

## Color Contrast Check

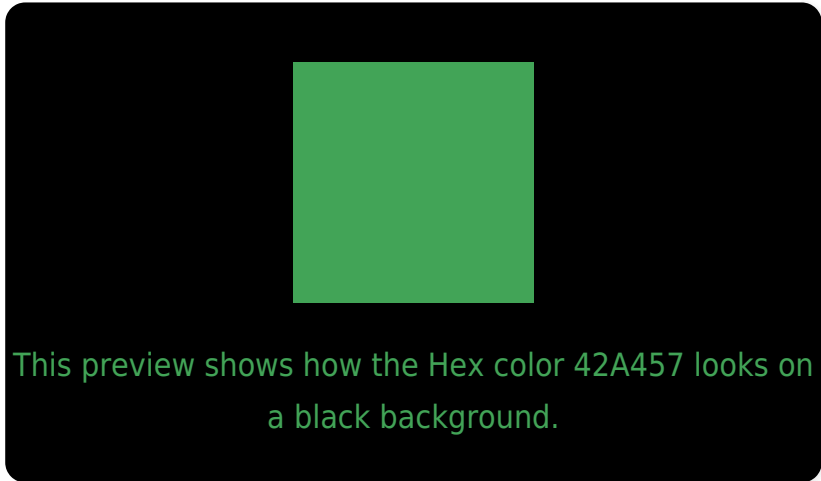
Large Text (above 18pt) WCAG AA ✓ Pass

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

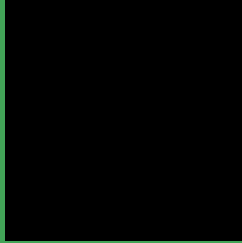
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 42A457 Background



This preview shows how black text looks on a background with the Hex color 42A457.



This preview shows how white text looks on a background with the Hex color 42A457.

# 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**  
42A457

**Protanopia**  
9F9050

**Deuteranopia**  
AE8A5D



**Tritanopia**  
589BA7

# Trichromacy



**Original Color**

42A457



**Protanomaly**

7D9753



**Deuteranomaly**

87935B



**Tritanomaly**

509E8A

# Monochromacy



**Original Color**

42A457



**Achromatopsia**

7E7E7E



**Achromatomaly**

688C70

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42A457 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 #42A457 looks like.

```
.text, #text, p{  
    color:#42A457  
}
```

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 #42A457 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42A457
}
```

## Border

The CSS property to change the border of an element to Hex 42A457 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
#42A457 }
```

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

```
.border{ border-color:#42A457 }
```

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

Here you see how a box with a 4 pixel #42A457 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42A457; -webkit-box-shadow:4px 4px  
4px 4px #42A457; box-shadow:4px 4px 4px  
4px #42A457 }
```

# Background

The CSS property to change the background color of an element to Hex 42A457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42A457 }
```

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

```
.background{ background-color:#42A457 }
```

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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