

# Converting Colors

Hex(42E258)

Have a look what the booklet for  
Hex(42E258) contains.

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**Color**

**Hex(42E258)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42E258
RGB	66, 226, 88
RGB Percent	26%, 89%, 35%
CMY	0.7412, 0.1137, 0.6549
CMYK	0.71, 0.00, 0.61, 0.11
HSL	128°, 73%, 57%
HSV	128°, 71%, 89%
XYZ	31.2046, 56.2555, 18.4463
YIQ	162.4280, -51.0620, -76.8380

# Conversions

## Conversions Part 2

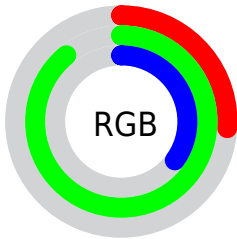
Format	Color
<a href="#">RYB</a>	<a href="#">66, 207, 226</a>
Decimal	<a href="#">4383320</a>
CIELab	<a href="#">79.76, -67.83, 54.44</a>
CIELCh	<a href="#">80, 86.969, 141.250</a>
Yxy	<a href="#">56.2555, 0.2946, 0.5312</a>
Android (android.graphics.Color)	<a href="#">4282573400 (0xFF42E258)</a>
YUV	<a href="#">162.4280, -36.6930, -84.5674</a>
Hunter-Lab	<a href="#">75.0037, -56.9932, 37.9209</a>

# Details

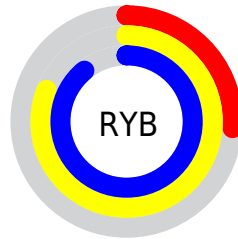
The Hex color **42E258** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **E242CC**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **86FF8E**, and **00A920** is the 20% darker color. If you saturate the color by 10%, you get **2BE245**, and if you desaturate by 10%, it is **59E26B**.

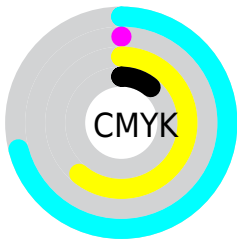
# Distribution



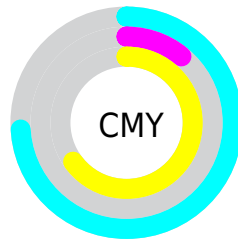
- Red (26%)
- Green (89%)
- Blue (35%)



- Red (26%)
- Yellow (81%)
- Blue (89%)



- Cyan (71%)
- Magenta (0%)
- Yellow (61%)
- Black (11%)



- Cyan (74%)
- Magenta (11%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42E258 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 42E258 by changing the saturation by 10% instead.



 42E258

 42E258

FFFFFF

 03C53D

 86FF8E

 00A920

 A6FFAA

 008E00

 C4FFC6

 007300

 E3FFE3

 005900

 004000

 002700

 000000

 42E258

 42E258

 2BE245

 59E26B

 15E231

 6FE27F

 00E21F

 86E292

 9CE2A6

 B3E2B9

 CAE2CD

 E0E2E0

 F7E2F4

 FFE2FF

# Harmonies

## Analogous

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



B5D300



42E258



00E9AA

# Triad

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



42E258



00D6FF



FF7690

# Complementary

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



42E258



E242CC

# 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.



FF74E1



42E258



91BAFF

# Square

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



42E258



00E6FF



FF94FF



FF9746

# Rectangle

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



42E258



00EBE3



FF94FF



FF70AB

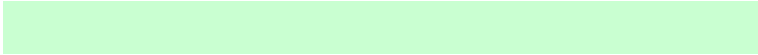


# Sweetspot

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



42E258



C9FFD1



CDE242



608064



000000



808080



# Same Dimension

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



42E258



26FF44



42E2A7



657067



00B018



003007



# Inverse Universe

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



E242CC



FF26E1



E2427D



70656F



B00098

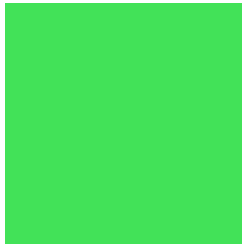


30002A



# Previews

## White Background



This preview shows how the Hex color 42E258 looks on a white 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

# Black Background



This preview shows how the Hex color 42E258 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 ✓ Pass

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



## Hex 42E258 Background



This preview shows how black text looks on a background with the Hex color 42E258.

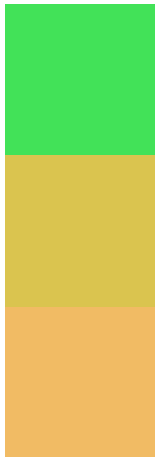


This preview shows how white text looks on a background with the Hex color 42E258.

# 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](#).

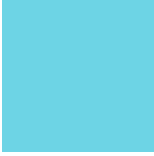
## Dichromacy



**Original Color**  
42E258

**Protanopia**  
DAC44F

**Deuteranopia**  
F1BB64



**Tritanopia**  
6DD4E5

# Trichromacy



**Original Color**  
42E258



**Protanomaly**  
A3CF52



**Deuteranomaly**  
B1C960



**Tritanomaly**  
5DD9B2

# Monochromacy



**Original Color**  
42E258



**Achromatopsia**  
A2A2A2



**Achromatomaly**  
7FB987

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42E258 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 #42E258 looks like.

```
.text, #text, p{  
    color:#42E258  
}
```

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 #42E258 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42E258
}
```

## Border

The CSS property to change the border of an element to Hex 42E258 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
#42E258 }
```

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

```
.border{ border-color:#42E258 }
```

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

Here you see how a box with a 4 pixel #42E258 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42E258; -webkit-box-shadow:4px 4px  
4px 4px #42E258; box-shadow:4px 4px 4px  
4px #42E258 }
```

# Background

The CSS property to change the background color of an element to Hex 42E258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42E258 }
```

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

```
.background{ background-color:#42E258 }
```

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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