

# Converting Colors

Hex(22D442)

Have a look what the booklet for  
Hex(22D442) contains.

<b>Hex(22D442)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(22D442)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22D442
RGB	34, 212, 66
RGB Percent	13%, 83%, 26%
CMY	0.8667, 0.1686, 0.7412
CMYK	0.84, 0.00, 0.69, 0.17
HSL	131°, 72%, 48%
HSV	131°, 84%, 83%
XYZ	25.1865, 47.8204, 13.0571
YIQ	142.1340, -59.2220, -83.1420

# Conversions

## Conversions Part 2

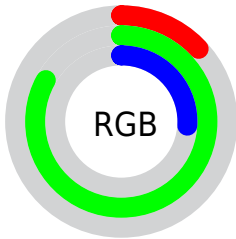
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 185, 212
Decimal	2282562
CIE <sub>Lab</sub>	74.71, -69.84, 57.77
CIE <sub>LCh</sub>	75, 90.642, 140.403
Yxy	47.8204, 0.2926, 0.5556
Android (android.graphics.Color)	4280472642 (0xFF22D442)
YUV	142.1340, -37.5341, -94.8335
Hunter-Lab	69.1523, -56.0035, 37.2117

# Details

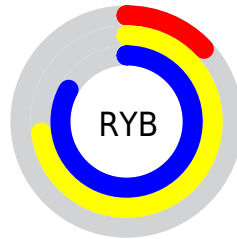
The Hex color **22D442** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **D422B4**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **72FF79**, and **009C00** is the 20% darker color. If you saturate the color by 10%, you get **0DD431**, and if you desaturate by 10%, it is **37D453**.

# Distribution



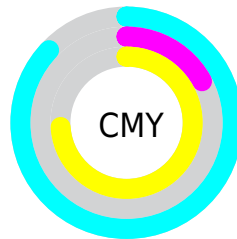
- Red (13%)
- Green (83%)
- Blue (26%)



- Red (13%)
- Yellow (73%)
- Blue (83%)



- Cyan (84%)
- Magenta (0%)
- Yellow (69%)
- Black (17%)



- Cyan (87%)
- Magenta (17%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22D442 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 22D442 by changing the saturation by 10% instead.



 22D442

 22D442

FFFFFF

 00B824

 72FF79

 009C00

 92FF94

 008000

 B2FFB0

 006600

 D1FFCD

 004C00

 F0FFEA

 003400

 001900

 000000

 22D442

 22D442

0DD431

37D453

00D426

4CD465

62D476

77D488

8CD499

A1D4AA

B6D4BC

CCD4CD

E1D4DE

# Harmonies

## Analogous

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



A7C500



22D442



00DB99

# Triad

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



22D442



00CAFF



FF5F83

# Complementary

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



22D442



D422B4

# Split Complementary

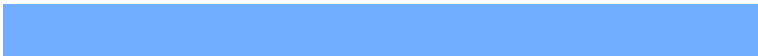
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF5DD6



22D442



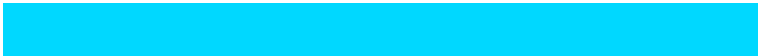
73ADFF

# Square

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



22D442



00D8FF



FF84FF



FF8534

# Rectangle

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



22D442



00DDD4



FF84FF



FF589F

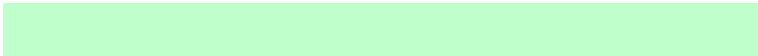


# Sweetspot

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



22D442



BFFFCB



B6D422



598060



000000



808080



# Same Dimension

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



22D442



00FF2E



22D499



606B62



00AB1F



002B08



# Inverse Universe

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



D422B4



FF00D1



D4225D



6B6069



AB008C

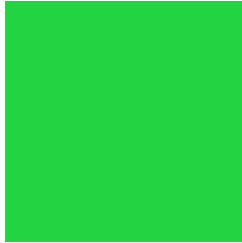


2B0024



# Previews

## White Background



This preview shows how the Hex color 22D442 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 22D442 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 22D442 Background



This preview shows how black text looks on a background with the Hex color 22D442.

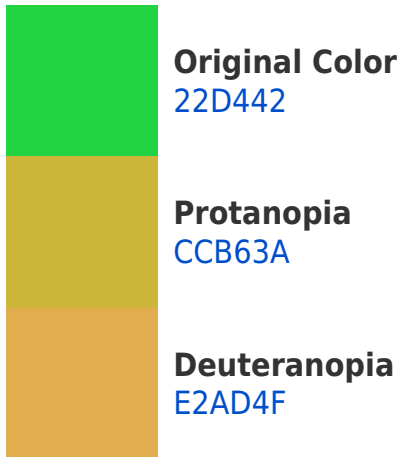


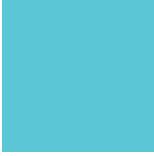
This preview shows how white text looks on a background with the Hex color 22D442.

# 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](#).

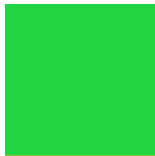
## Dichromacy





**Tritanopia**  
5BC6D6

# Trichromacy



**Original Color**  
22D442



**Protanomaly**  
8EC13D



**Deuteranomaly**  
9CBB4A



**Tritanomaly**  
46CBA0

# Monochromacy



**Original Color**  
22D442



**Achromatopsia**  
8E8E8E



**Achromatomaly**  
67A772

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22D442 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 #22D442 looks like.

```
.text, #text, p{  
    color:#22D442  
}
```

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 #22D442 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22D442
}
```

## Border

The CSS property to change the border of an element to Hex 22D442 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
#22D442 }
```

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

```
.border{ border-color:#22D442 }
```

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

Here you see how a box with a 4 pixel #22D442 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22D442; -webkit-box-shadow:4px 4px  
4px 4px #22D442; box-shadow:4px 4px 4px  
4px #22D442 }
```

# Background

The CSS property to change the background color of an element to Hex 22D442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22D442 }
```

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

```
.background{ background-color:#22D442 }
```

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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