

# Converting Colors

Hex(22DD2B)

Have a look what the booklet for  
Hex(22DD2B) contains.

<b>Hex(22DD2B)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(22DD2B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	22DD2B
RGB	34, 221, 43
RGB Percent	13%, 87%, 17%
CMY	0.8667, 0.1333, 0.8314
CMYK	0.85, 0.00, 0.81, 0.13
HSL	123°, 73%, 50%
HSV	123°, 85%, 87%
XYZ	26.9522, 52.2274, 10.9459
YIQ	144.7950, -54.3140, -95.0020

# Conversions

## Conversions Part 2

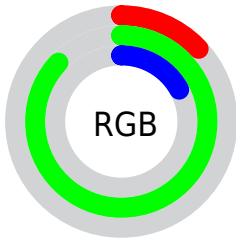
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 212, 221
Decimal	2284843
CIELab	77.42, -74.17, 68.07
CIELCh	77, 100.669, 137.456
Yxy	52.2274, 0.2991, 0.5795
Android (android.graphics.Color)	4280474923 (0xFF22DD2B)
YUV	144.7950, -50.1849, -97.1672
Hunter-Lab	72.2685, -59.8992, 41.6078

# Details

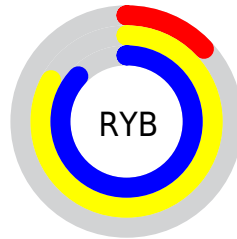
The Hex color **22DD2B** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **DD22D4**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **76FF68**, and **00A400** is the 20% darker color. If you saturate the color by 10%, you get **0CDD16**, and if you desaturate by 10%, it is **38DD40**.

# Distribution



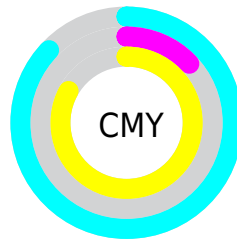
- Red (13%)
- Green (87%)
- Blue (17%)



- Red (13%)
- Yellow (83%)
- Blue (87%)



- Cyan (85%)
- Magenta (0%)
- Yellow (81%)
- Black (13%)



- Cyan (87%)
- Magenta (13%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22DD2B 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 22DD2B by changing the saturation by 10% instead.



 22DD2B

 22DD2B

FFFFFF

 00C000

 76FF68

 00A400

 96FF84

 008900

 B6FFA1

 006E00

 D6FFBD

 005400

 F5FFDA

 003C00

 FFFFF8

 002100

 000000

 22DD2B

 22DD2B

■ 0CDD16

■ 38DD40

■ 00DD0B

■ 4EDD55

■ 64DD6A

■ 7ADD7F

■ 91DD94

■ A7DDA9

■ BDDDBE

■ D3DDD3

■ E9DDE8

# Harmonies

## Analogous

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



B3CC00



22DD2B



00E593

# Triad

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



22DD2B



00D6FF



FF4F8D

# Complementary

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



22DD2B



DD22D4

# 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.



FF54EB



22DD2B



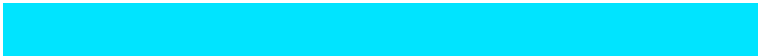
3AB8FF

# Square

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



22DD2B



00E4FF



FF89FF



FF8032

# Rectangle

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



22DD2B



00E8D5



FF89FF



FF47AC

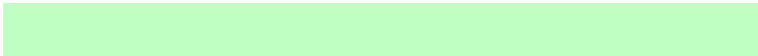


# Sweetspot

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



22DD2B



BFFFC2



D7DD22



59805B



000000



808080



# Same Dimension

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



22DD2B



00FF0C



22DD86



636E63



00AD08



002E02



# Inverse Universe

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



DD22D4



FF00F3



DD2279



6E636D



AD00A5

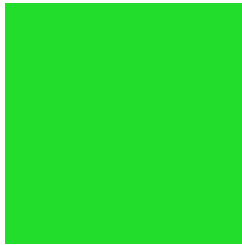


2E002C



# Previews

## White Background



This preview shows how the Hex color 22DD2B looks on a white background.

## Color Contrast Check

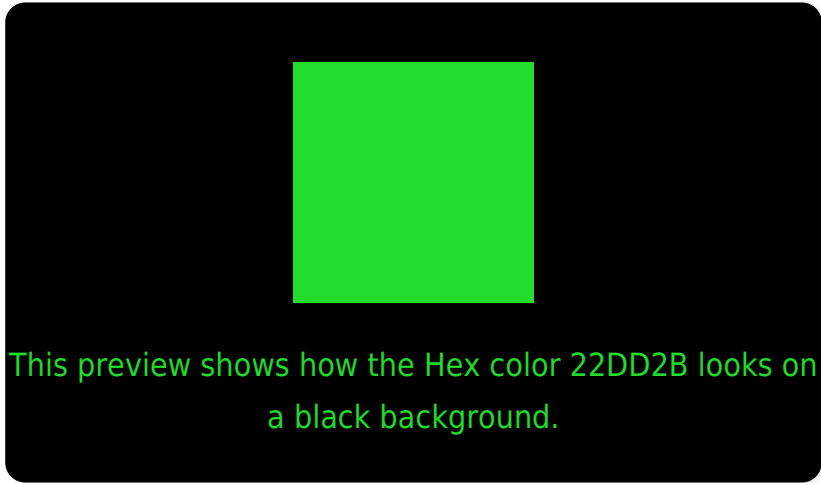
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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

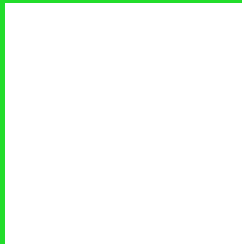
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 22DD2B Background



This preview shows how black text looks on a background with the Hex color 22DD2B.



This preview shows how white text looks on a background with the Hex color 22DD2B.

# 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](#).

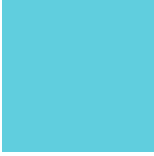
## Dichromacy



**Original Color**  
22DD2B

**Protanopia**  
D5BE23

**Deuteranopia**  
EDB43F



**Tritanopia**  
60CEDE

# Trichromacy



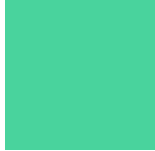
**Original Color**  
22DD2B



**Protanomaly**  
94C926

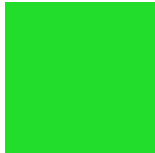


**Deuteranomaly**  
A3C338



**Tritanomaly**  
49D39D

# Monochromacy



**Original Color**  
22DD2B



**Achromatopsia**  
919191



**Achromatomaly**  
69AD6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22DD2B 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 #22DD2B looks like.

```
.text, #text, p{  
    color:#22DD2B  
}
```

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 #22DD2B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22DD2B  
}
```

## Border

The CSS property to change the border of an element to Hex 22DD2B 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  
#22DD2B }
```

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

```
.border{ border-color:#22DD2B }
```

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

Here you see how a box with a 4 pixel #22DD2B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22DD2B; -webkit-box-shadow:4px 4px  
4px 4px #22DD2B; box-shadow:4px 4px 4px  
4px #22DD2B }
```

# Background

The CSS property to change the background color of an element to Hex 22DD2B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22DD2B }
```

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

```
.background{ background-color:#22DD2B }
```

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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