

# Converting Colors

Hex(22B42E)

Have a look what the booklet for  
Hex(22B42E) contains.

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# Color

Hex(22B42E)

# Conversions

## Conversions Part 1

Format	Color
Hex	22B42E
RGB	34, 180, 46
RGB Percent	13%, 71%, 18%
CMY	0.8667, 0.2941, 0.8196
CMYK	0.81, 0.00, 0.74, 0.29
HSL	125°, 68%, 42%
HSV	125°, 81%, 71%
XYZ	17.4741, 33.1799, 8.0681
YIQ	121.0700, -44.0020, -72.6260

# Conversions

## Conversions Part 2

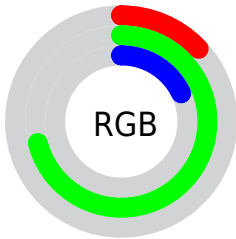
Format	Color
<a href="#">RYB</a>	<a href="#">34, 169, 180</a>
Decimal	<a href="#">2274350</a>
CIELab	<a href="#">64.31, -61.84, 54.45</a>
CIELCh	<a href="#">64, 82.399, 138.634</a>
Yxy	<a href="#">33.1799, 0.2976, 0.5650</a>
Android (android.graphics.Color)	<a href="#">4280464430 (0xFF22B42E)</a>
YUV	<a href="#">121.0700, -37.0095, -76.3604</a>
Hunter-Lab	<a href="#">57.6020, -46.6538, 32.0168</a>

# Details

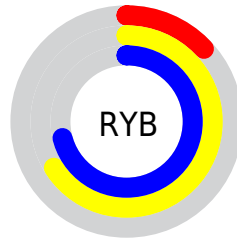
The Hex color **22B42E** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **B422A8**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **6BED65**, and **007E00** is the 20% darker color. If you saturate the color by 10%, you get **10B41D**, and if you desaturate by 10%, it is **34B43F**.

# Distribution



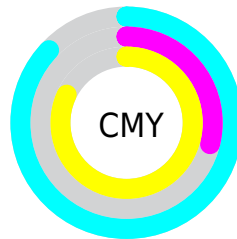
- Red (13%)
- Green (71%)
- Blue (18%)



- Red (13%)
- Yellow (66%)
- Blue (71%)



- Cyan (81%)
- Magenta (0%)
- Yellow (74%)
- Black (29%)



- Cyan (87%)
- Magenta (29%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22B42E 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 22B42E by changing the saturation by 10% instead.



 22B42E

 22B42E

FFFFFF

 00980B

 6BED65

 007E00

 8AFF80

 006300

 A8FF9B

 004A00

 C6FFB7

 003300

 E4FFD3

 001800

 FFFFF0

 000000

 22B42E

 22B42E

 10B41D

 34B43F

 00B40F

 46B44F

 58B460

 6AB470

 7CB481

 8EB491

 A0B4A2

 B2B4B2

 C4B4C3

# Harmonies

## Analogous

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



91A600



22B42E



00BB7C

# Triad

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



22B42E



00ADFF



FF4A72

# Complementary

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



22B42E



B422A8

# 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.



FF4BBB



22B42E



4D95FF

# Square

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



22B42E



00B9FF



D770FE



FF6C2B

# Rectangle

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



22B42E



00BCB0



D770FE



FF448A

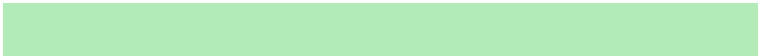


# Sweetspot

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



22B42E



B2EBB7



AAB422



537556



F5F5F5



757575



# Same Dimension

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



22B42E



07EB1A



22B475



505951



00990D



001A02



# Inverse Universe

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



B422A8



EB07D8



B42261



595059



99008C

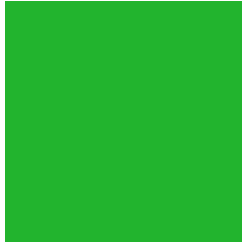


1A0017



# Previews

## White Background



This preview shows how the Hex color 22B42E looks on a white background.

## Color Contrast Check

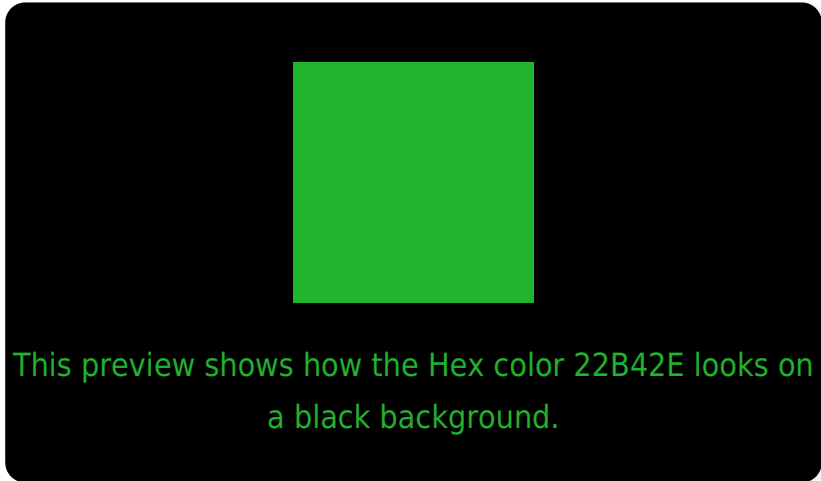
Large Text (above 18pt) WCAG AA × Fail

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 22B42E Background



This preview shows how black text looks on a background with the Hex color 22B42E.

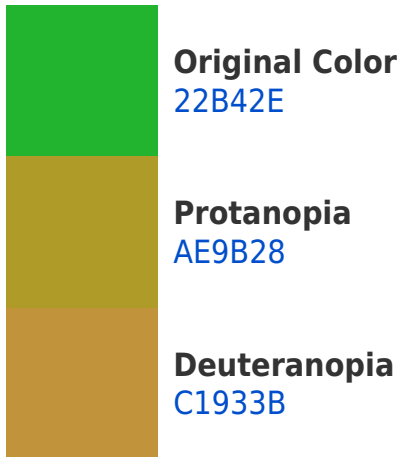


This preview shows how white text looks on a background with the Hex color 22B42E.

# 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**  
50A8B5

# Trichromacy



**Original Color**  
22B42E



**Protanomaly**  
7BA42A



**Deuteranomaly**  
879F36



**Tritanomaly**  
3FAC84

# Monochromacy



**Original Color**  
22B42E



**Achromatopsia**  
797979



**Achromatomaly**  
598E5E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22B42E 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 #22B42E looks like.

```
.text, #text, p{  
    color:#22B42E  
}
```

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 #22B42E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22B42E
}
```

## Border

The CSS property to change the border of an element to Hex 22B42E 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
#22B42E }
```

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

```
.border{ border-color:#22B42E }
```

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

Here you see how a box with a 4 pixel #22B42E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22B42E; -webkit-box-shadow:4px 4px  
4px 4px #22B42E; box-shadow:4px 4px 4px  
4px #22B42E }
```

# Background

The CSS property to change the background color of an element to Hex 22B42E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22B42E }
```

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

```
.background{ background-color:#22B42E }
```

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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