

Converting Colors

Hex(22AA54)

Have a look what the booklet for
Hex(22AA54) contains.

Hex(22AA54)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(22AA54)

Conversions

Conversions Part 1

Format	Color
Hex	22AA54
RGB	34, 170, 84
RGB Percent	13%, 67%, 33%
CMY	0.8667, 0.3333, 0.6706
CMYK	0.80, 0.00, 0.51, 0.33
HSL	142°, 67%, 40%
HSV	142°, 80%, 67%
XYZ	16.6346, 29.7296, 13.2492
YIQ	119.5320, -53.4500, -55.5780

Conversions

Conversions Part 2

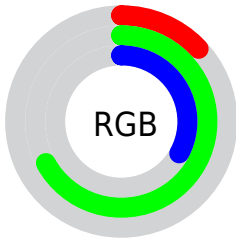
Format	Color
RYB	34, 133, 170
Decimal	2271828
CIELab	61.42, -54.03, 34.38
CIELCh	61, 64.037, 147.533
Yxy	29.7296, 0.2790, 0.4987
Android (android.graphics.Color)	4280461908 (0xFF22AA54)
YUV	119.5320, -17.5173, -75.0116
Hunter-Lab	54.5249, -40.9611, 23.7604

Details

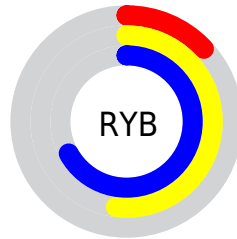
The Hex color **22AA54** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AA2278**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **67E287**, and **007423** is the 20% darker color. If you saturate the color by 10%, you get **11AA49**, and if you desaturate by 10%, it is **33AA5F**.

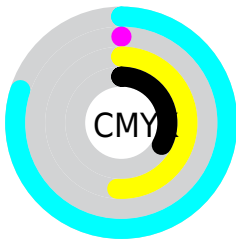
Distribution



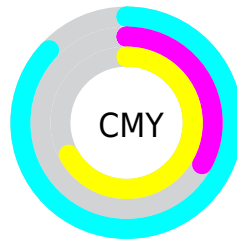
- Red (13%)
- Green (67%)
- Blue (33%)



- Red (13%)
- Yellow (52%)
- Blue (67%)



- Cyan (80%)
- Magenta (0%)
- Yellow (51%)
- Black (33%)



- Cyan (87%)
- Magenta (33%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Hex color 22AA54 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 22AA54 by changing the saturation by 10% instead.

 22AA54

 22AA54


FFFFFF

 008F3C

 67E287

 007423

 84FFA2

 005B09

 A2FFBD

 004200

 BFFFD9

 002C00

 DDFFF6

 000A00

 FBFFFF

 000000

 22AA54

 22AA54

 11AA49

 33AA5F

■ 00AA3E

■ 44AA69

■ 55AA74

■ 66AA7F

■ 77AA8A

■ 88AA94

■ 99AA9F

■ AAAAAA

■ BBAAB5

Harmonies

Analogous

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



7DA022



22AA54



00AE8E

Triad

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



22AA54



009CFF



F76363

Complementary

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



22AA54



AA2278

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.



F65D9B



22AA54



8B87F9

Square

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



22AA54



00A9F3



D46ED2



DF7A33

Rectangle

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



22AA54



00AFB5



D46ED2



FA5E76

Sweetspot

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



22AA54



A9DEBC



78AA22



50705C



F0F0F0



707070

Same Dimension

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



22AA54



09DE57



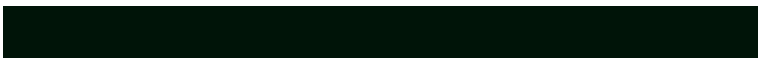
22AA98



4C544F



009436



001408

Inverse Universe

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



AA2278



DE0990



AA2234



544C51



94005E



14000D

Previews

White Background



This preview shows how the Hex color 22AA54 looks on a white background.

Color Contrast Check

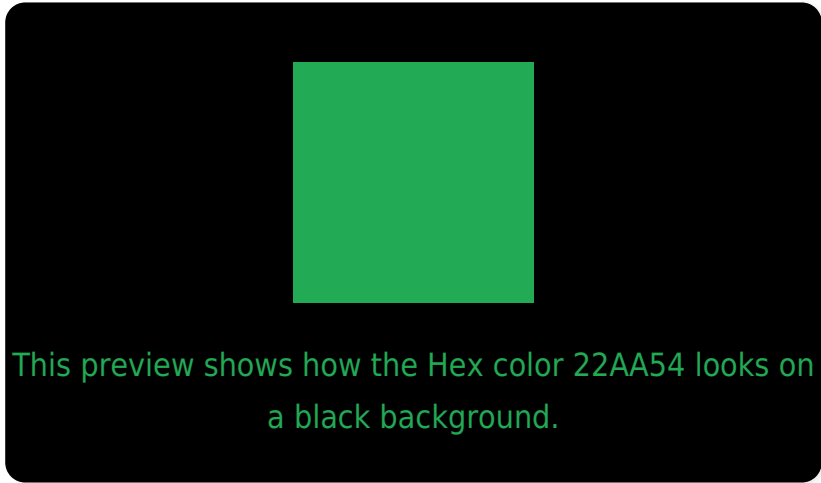
Large Text (above 18pt) WCAG AA ✓ Pass

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

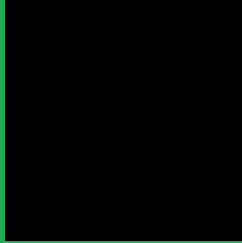
Any Text WCAG AA ✓ Pass

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 22AA54 Background



This preview shows how black text looks on a background with the Hex color 22AA54.

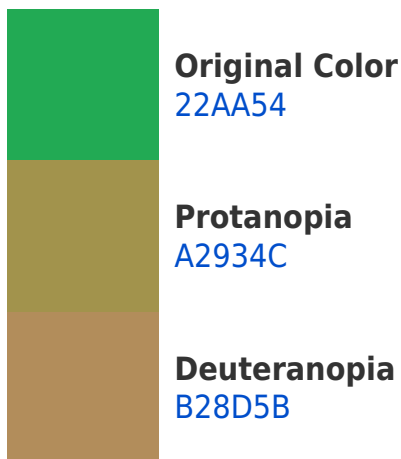


This preview shows how white text looks on a background with the Hex color 22AA54.

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
48A0AD

Trichromacy



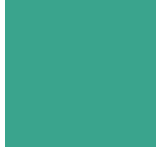
Original Color
22AA54



Protanomaly
739B4F



Deuteranomaly
7E9858



Tritanomaly
3AA48D

Monochromacy



Original Color
22AA54



Achromatopsia
787878



Achromatomaly
598A6B

CSS Examples

Text

The CSS property to change the color of the text to Hex 22AA54 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 #22AA54 looks like.

```
.text, #text, p{  
    color:#22AA54  
}
```

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 #22AA54 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22AA54  
}
```

Border

The CSS property to change the border of an element to Hex 22AA54 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  
#22AA54 }
```

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

```
.border{ border-color:#22AA54 }
```

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

Here you see how a box with a 4 pixel #22AA54 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22AA54; -webkit-box-shadow:4px 4px  
4px 4px #22AA54; box-shadow:4px 4px 4px  
4px #22AA54 }
```

Background

The CSS property to change the background color of an element to Hex 22AA54 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22AA54 }
```

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

```
.background{ background-color:#22AA54 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor