

# Converting Colors

Hex(24B238)

Have a look what the booklet for  
Hex(24B238) contains.

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**Color**

**Hex(24B238)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24B238
RGB	36, 178, 56
RGB Percent	14%, 70%, 22%
CMY	0.8588, 0.3020, 0.7804
CMYK	0.80, 0.00, 0.69, 0.30
HSL	128°, 66%, 42%
HSV	128°, 80%, 70%
XYZ	17.3618, 32.5014, 9.0997
YIQ	121.6340, -45.4700, -68.0460

# Conversions

## Conversions Part 2

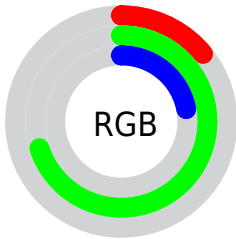
Format	Color
<a href="#">RYB</a>	<a href="#">36, 160, 178</a>
Decimal	<a href="#">2404920</a>
CIELab	<a href="#">63.76, -60.07, 50.07</a>
CIELCh	<a href="#">64, 78.203, 140.192</a>
Yxy	<a href="#">32.5014, 0.2945, 0.5512</a>
Android (android.graphics.Color)	<a href="#">4280595000 (0xFF24B238)</a>
YUV	<a href="#">121.6340, -32.3576, -75.1010</a>
Hunter-Lab	<a href="#">57.0100, -45.4073, 30.4433</a>

# Details

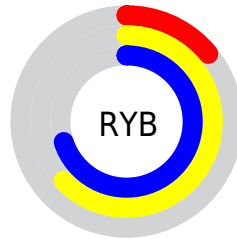
The Hex color **24B238** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **B2249E**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **6BEB6D**, and **007C00** is the 20% darker color. If you saturate the color by 10%, you get **12B229**, and if you desaturate by 10%, it is **36B247**.

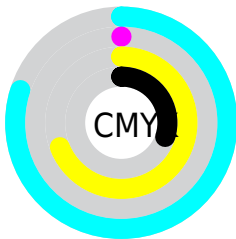
# Distribution



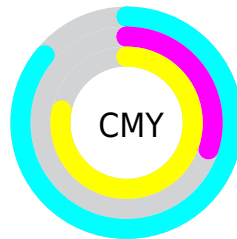
- Red (14%)
- Green (70%)
- Blue (22%)



- Red (14%)
- Yellow (63%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (69%)
- Black (30%)



- Cyan (86%)
- Magenta (30%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24B238 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 24B238 by changing the saturation by 10% instead.





24B238



24B238

FFFFFF



00971C



6BEB6D



007C00



89FF88



006200



A7FFA3



004800



C5FFBF



003200



E3FFDB



001600



FFFFFF9



000000



24B238



24B238



12B229



36B247

 00B219

 48B257

 59B266

 6BB275

 7DB284

 8FB294

 A1B2A3

 B2B2B2

 C4B2C2

# Harmonies

## Analogous

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



8DA500



24B238



00B880

# Triad

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



24B238



00A AFF



FF516F

# Complementary

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



24B238



B2249E

# 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.



FF50B4



24B238



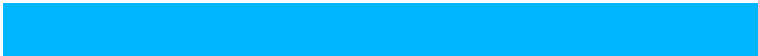
6192FF

# Square

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



24B238



00B6FF



D670F5



FC702D

# Rectangle

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



24B238



00BAB1



D670F5



FF4C86



# Sweetspot

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



24B238



B0E8B8



9FB224



537558



F5F5F5



757575



# Same Dimension

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



24B238



09E829



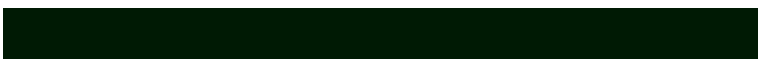
24B27E



505952



009916



001A04



# Inverse Universe

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



B2249E



E809C9



B22458



595058



990083



1A0016



# Previews

## White Background



This preview shows how the Hex color 24B238 looks on a white background.

## Color Contrast Check

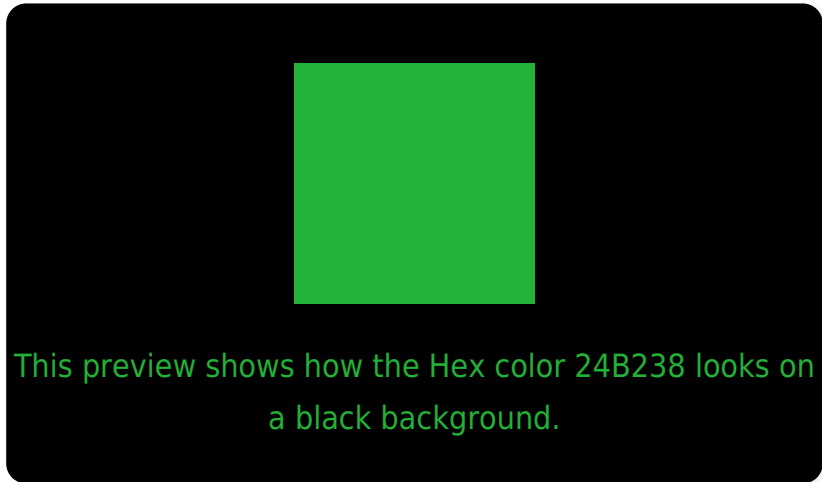
Large Text (above 18pt) WCAG AA × Fail

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 24B238 Background



This preview shows how black text looks on a background with the Hex color 24B238.

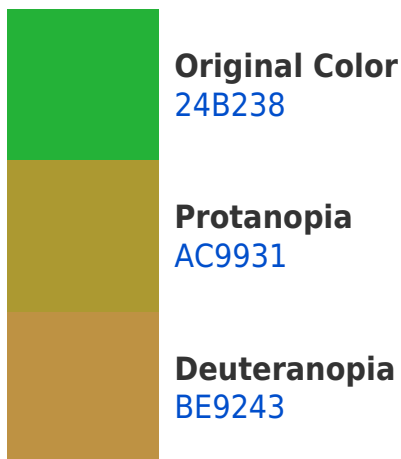


This preview shows how white text looks on a background with the Hex color 24B238.

# 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**  
4FA6B4

# Trichromacy



**Original Color**  
24B238



**Protanomaly**  
7BA234



**Deuteranomaly**  
869E3F



**Tritanomaly**  
3FAA87

# Monochromacy



**Original Color**  
24B238



**Achromatopsia**  
7A7A7A



**Achromatomaly**  
5B8E62

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24B238 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 #24B238 looks like.

```
.text, #text, p{  
    color:#24B238  
}
```

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 #24B238 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24B238
}
```

## Border

The CSS property to change the border of an element to Hex 24B238 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
#24B238 }
```

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

```
.border{ border-color:#24B238 }
```

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

Here you see how a box with a 4 pixel #24B238 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24B238; -webkit-box-shadow:4px 4px  
4px 4px #24B238; box-shadow:4px 4px 4px  
4px #24B238 }
```

# Background

The CSS property to change the background color of an element to Hex 24B238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24B238 }
```

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

```
.background{ background-color:#24B238 }
```

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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