

# Converting Colors

Hex(24AC68)

Have a look what the booklet for  
Hex(24AC68) contains.

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**Color**

**Hex(24AC68)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24AC68
RGB	36, 172, 104
RGB Percent	14%, 67%, 41%
CMY	0.8588, 0.3255, 0.5922
CMYK	0.79, 0.00, 0.40, 0.33
HSL	150°, 65%, 41%
HSV	150°, 79%, 67%
XYZ	17.9788, 30.8796, 18.1095
YIQ	123.5840, -59.2280, -49.9800

# Conversions

## Conversions Part 2

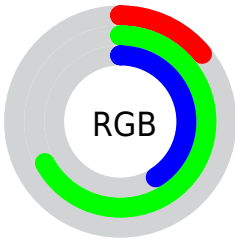
Format	Color
<a href="#">RYB</a>	<a href="#">36, 127, 172</a>
Decimal	<a href="#">2403432</a>
CIELab	<a href="#">62.41, -50.94, 25.19</a>
CIELCh	<a href="#">62, 56.828, 153.682</a>
Yxy	<a href="#">30.8796, 0.2685, 0.4611</a>
Android (android.graphics.Color)	<a href="#">4280593512 (0xFF24AC68)</a>
YUV	<a href="#">123.5840, -9.6549, -76.8112</a>
Hunter-Lab	<a href="#">55.5694, -39.4951, 19.5766</a>

# Details

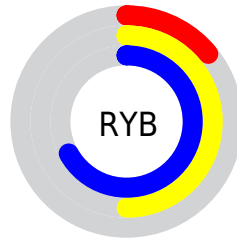
The Hex color **24AC68** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AC2468**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **68E49C**, and **007638** is the 20% darker color. If you saturate the color by 10%, you get **13AC5F**, and if you desaturate by 10%, it is **35AC71**.

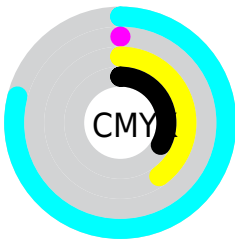
# Distribution



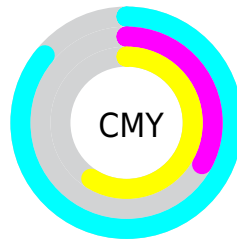
- Red (14%)
- Green (67%)
- Blue (41%)



- Red (14%)
- Yellow (50%)
- Blue (67%)



- Cyan (79%)
- Magenta (0%)
- Yellow (40%)
- Black (33%)



- Cyan (86%)
- Magenta (33%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 24AC68 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 24AC68 by changing the saturation by 10% instead.



 24AC68

 24AC68

FFFFFF

 00914F

 68E49C

 007638

 86FFB7

 005D21

 A3FFD3

 00440A

 C0FFE0

 002E00

 DEFFF0

 001000

 FCFFF0

 000000

 24AC68

 24AC68

 13AC5F

 35AC71

■ 02AC57

■ 46AC79

■ 00AC56

■ 58AC82

■ 69AC8A

■ 7AAC93

■ 8BAC9C

■ 9CACA4

■ AEACAD

■ BFACB5

# Harmonies

## Analogous

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



78A43D



24AC68



00AF9C

# Triad

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



24AC68



2F9BFC



EE7162

# Complementary

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



24AC68



AC2468

# 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.



F26893



24AC68



A187EB

# Square

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



24AC68



00A8F1



D972C5



D5843B

# Rectangle

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



24AC68



00AFBE



D972C5



F26C71



# Sweetspot

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



24AC68



ABE0C5



68AC24



507060



F0F0F0



707070



# Same Dimension

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



24AC68



0BE076



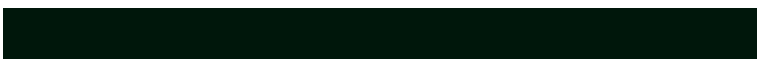
24ACAC



4E5752



00964B



00170B



# Inverse Universe

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



AC2468



E00B76



AC2424



574E52



96004B



17000B



# Previews

## White Background



This preview shows how the Hex color 24AC68 looks on a white background.

## Color Contrast Check

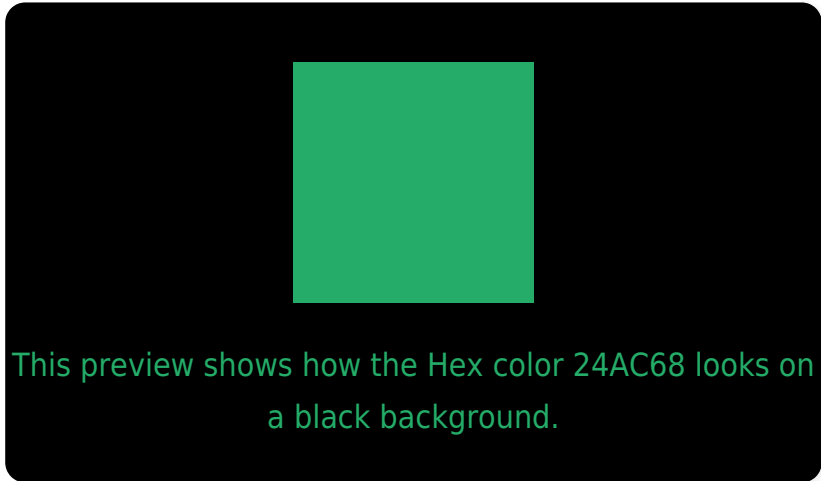
Large Text (above 18pt) WCAG AA × Fail

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

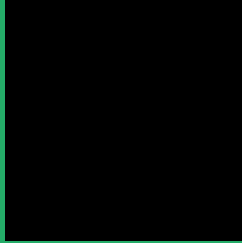
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 24AC68 Background



This preview shows how black text looks on a background with the Hex color 24AC68.

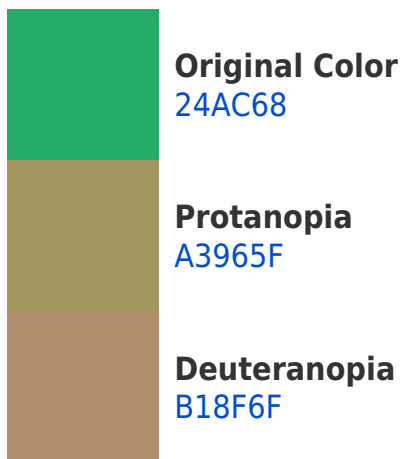


This preview shows how white text looks on a background with the Hex color 24AC68.

# 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**  
46A3B1

# Trichromacy



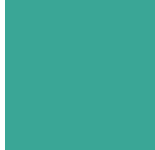
**Original Color**  
24AC68



**Protanomaly**  
759E62



**Deuteranomaly**  
7E9A6C



**Tritanomaly**  
3AA696

# Monochromacy



**Original Color**  
24AC68



**Achromatopsia**  
7C7C7C



**Achromatomaly**  
5C8D75

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 24AC68 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 #24AC68 looks like.

```
.text, #text, p{  
    color:#24AC68  
}
```

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 #24AC68 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #24AC68  
}
```

## Border

The CSS property to change the border of an element to Hex 24AC68 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  
#24AC68 }
```

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

```
.border{ border-color:#24AC68 }
```

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

Here you see how a box with a 4 pixel #24AC68 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #24AC68; -webkit-box-shadow:4px 4px  
4px 4px #24AC68; box-shadow:4px 4px 4px  
4px #24AC68 }
```

# Background

The CSS property to change the background color of an element to Hex 24AC68 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#24AC68 }
```

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

```
.background{ background-color:#24AC68 }
```

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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