

# Converting Colors

Hex(238D60)

Have a look what the booklet for  
Hex(238D60) contains.

<b>Hex(238D60)</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(238D60)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	238D60
RGB	35, 141, 96
RGB Percent	14%, 55%, 38%
CMY	0.8627, 0.4471, 0.6235
CMYK	0.75, 0.00, 0.32, 0.45
HSL	155°, 60%, 35%
HSV	155°, 75%, 55%
XYZ	12.3293, 20.2516, 14.3255
YIQ	104.1760, -48.7310, -36.4670

# Conversions

## Conversions Part 2

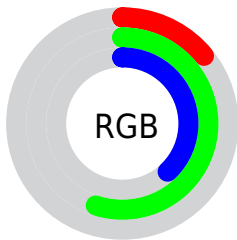
Format	Color
<b>RYB</b>	35, 102, 141
Decimal	2329952
CIELab	52.12, -40.52, 15.73
CIELCh	52, 43.462, 158.785
Yxy	20.2516, 0.2628, 0.4317
Android (android.graphics.Color)	4280520032 (0xFF238D60)
YUV	104.1760, -4.0308, -60.6674
Hunter-Lab	45.0018, -29.8487, 12.6274

# Details

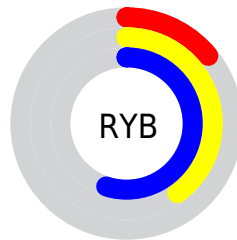
The Hex color **238D60** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8D2350**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **60C393**, and **005A31** is the 20% darker color. If you saturate the color by 10%, you get **158D5A**, and if you desaturate by 10%, it is **318D66**.

# Distribution



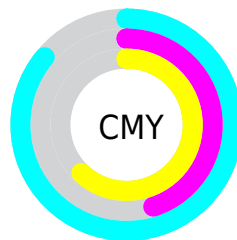
- Red (14%)
- Green (55%)
- Blue (38%)



- Red (14%)
- Yellow (40%)
- Blue (55%)



- Cyan (75%)
- Magenta (0%)
- Yellow (32%)
- Black (45%)



- Cyan (86%)
- Magenta (45%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 238D60 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 238D60 by changing the saturation by 10% instead.





238D60



238D60

FFFFFF



007348



60C393



005A31



7CE0AD



00411C



99FDC9



002B04



B5FFE5



000E00



D2FFFF



000000



FFFFFF



238D60



238D60



158D5A



318D66

■ 078D54

■ 3F8D6C

■ 008D51

■ 4D8D72

■ 5B8D78

■ 6A8D7E

■ 788D84

■ 868D8A

■ 948D90

■ A28D96

# Harmonies

## Analogous

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



5F8740



238D60



008F86

# Triad

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



238D60



4E7DC6



BC6350

# Complementary

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



238D60



8D2350

# 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.



C15C73



238D60



8D6EB7

# Square

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



238D60



0087C1



B26198



A77136

# Rectangle

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



238D60



008E9F



B26198



C0605B



# Sweetspot

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



238D60



8DB8A6



518D23



425C51



DBDBDB



5C5C5C



# Same Dimension

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



238D60



12B871



23868D



404744



00874E



000804



# Inverse Universe

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



8D2350



B81259



8D2A23



474043



870039



080003



# Previews

## White Background



This preview shows how the Hex color 238D60 looks on a white background.

## Color Contrast Check

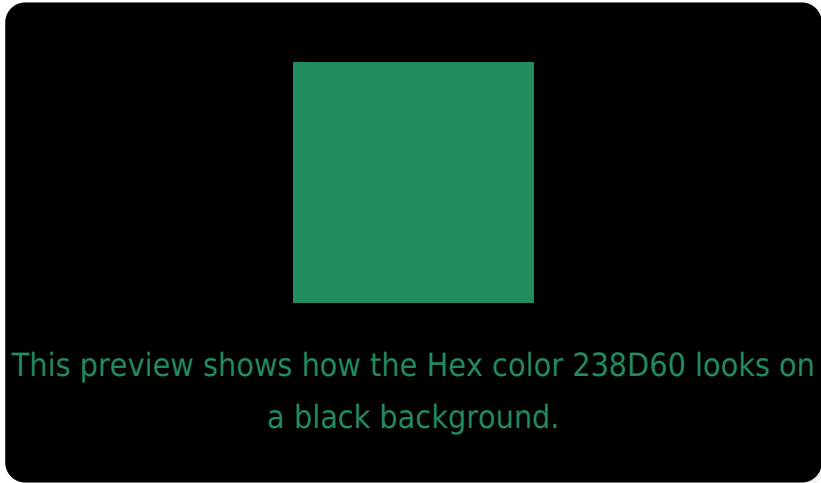
Large Text (above 18pt) WCAG AA ✓ Pass

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 238D60 Background



This preview shows how black text looks on a background with the Hex color 238D60.

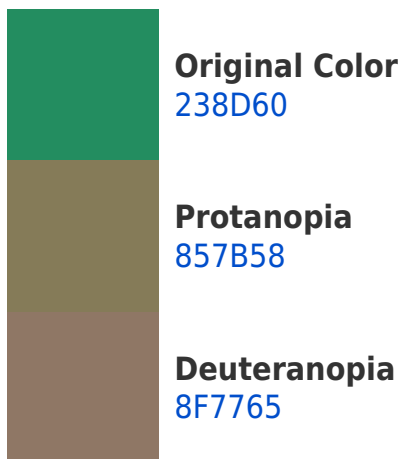


This preview shows how white text looks on a background with the Hex color 238D60.

# 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**  
3A8792

# Trichromacy



**Original Color**  
238D60



**Protanomaly**  
61825B



**Deuteranomaly**  
687F63



**Tritanomaly**  
328980

# Monochromacy



**Original Color**  
238D60



**Achromatopsia**  
686868



**Achromatomaly**  
4F7565

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 238D60 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 #238D60 looks like.

```
.text, #text, p{  
    color:#238D60  
}
```

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 #238D60 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #238D60
}
```

## Border

The CSS property to change the border of an element to Hex 238D60 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
#238D60 }
```

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

```
.border{ border-color:#238D60 }
```

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

Here you see how a box with a 4 pixel #238D60 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #238D60; -webkit-box-shadow:4px 4px  
4px 4px #238D60; box-shadow:4px 4px 4px  
4px #238D60 }
```

# Background

The CSS property to change the background color of an element to Hex 238D60 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#238D60 }
```

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

```
.background{ background-color:#238D60 }
```

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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