

# Converting Colors

Hex(238D64)

Have a look what the booklet for  
Hex(238D64) contains.

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# Color

Hex(238D64)

# Conversions

## Conversions Part 1

Format	Color
Hex	238D64
RGB	35, 141, 100
RGB Percent	14%, 55%, 39%
CMY	0.8627, 0.4471, 0.6078
CMYK	0.75, 0.00, 0.29, 0.45
HSL	157°, 60%, 35%
HSV	157°, 75%, 55%
XYZ	12.5183, 20.3272, 15.3203
YIQ	104.6320, -50.0150, -35.2230

# Conversions

## Conversions Part 2

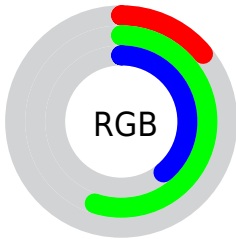
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 101, 141
Decimal	2329956
CIELab	52.21, -39.59, 13.57
CIELCh	52, 41.856, 161.081
Yxy	20.3272, 0.2599, 0.4220
Android (android.graphics.Color)	4280520036 (0xFF238D64)
YUV	104.6320, -2.2836, -61.0673
Hunter-Lab	45.0857, -29.3385, 11.4129

# Details

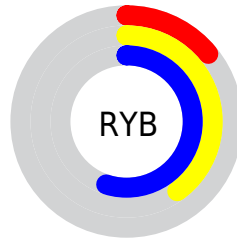
The Hex color **238D64** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **8D234C**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **60C397**, and **005A35** is the 20% darker color. If you saturate the color by 10%, you get **158D5F**, and if you desaturate by 10%, it is **318D69**.

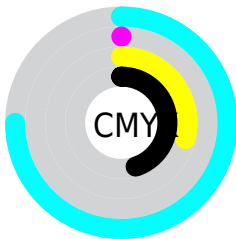
# Distribution



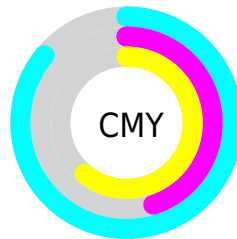
- Red (14%)
- Green (55%)
- Blue (39%)



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



- Cyan (75%)
- Magenta (0%)
- Yellow (29%)
- Black (45%)



- Cyan (86%)
- Magenta (45%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 238D64 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 238D64 by changing the saturation by 10% instead.



 238D64

 238D64

FFFFFF

 00734C

 60C397

 005A35

 7CE0B2

 004120

 99FDCD

 002B09

 B5FFE9

 000E00

 D2FFFF


 000000

 F0FFFF

 238D64

 238D64

 158D5F

 318D69

■ 078D59

■ 3F8D6F

■ 008D56

■ 4D8D74

■ 5B8D7A

■ 6A8D7F

■ 788D85

■ 868D8A

■ 948D90

■ A28D95

# Harmonies

## Analogous

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



5D8844



238D64



008F89

# Triad

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



238D64



577CC3



B9654F

# Complementary

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



238D64



8D234C

# 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.



C05E71



238D64



916EB3

# Square

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



238D64



0087C0



B36195



A47238

# Rectangle

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



238D64



008EA0



B36195



BD6259



# Sweetspot

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



238D64



8DB8A7



4D8D23



425C52



DBDBDB



5C5C5C



# Same Dimension

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



238D64



12B878



23828D



404745



008753



000805



# Inverse Universe

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



8D234C



B81252



8D2E23



474043



870034



080003



# Previews

## White Background



This preview shows how the Hex color 238D64 looks on a white background.

## Color Contrast Check

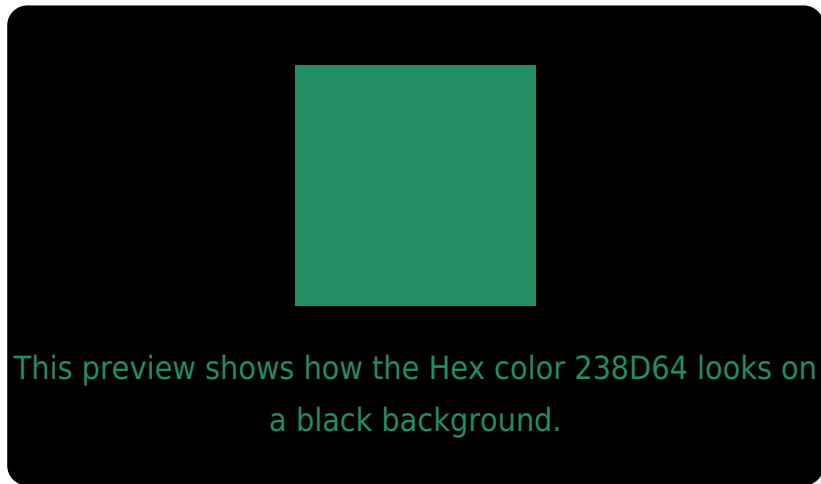
Large Text (above 18pt) WCAG AA ✓ Pass

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

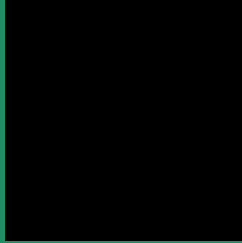
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 238D64 Background



This preview shows how black text looks on a background with the Hex color 238D64.

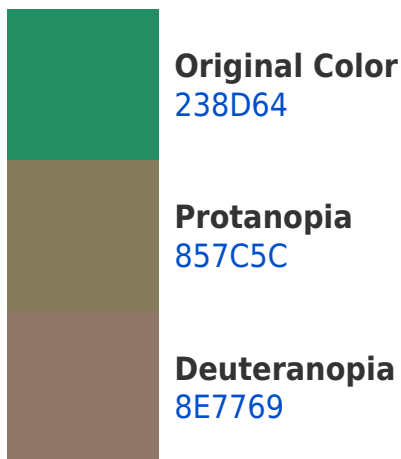


This preview shows how white text looks on a background with the Hex color 238D64.

# 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](#).

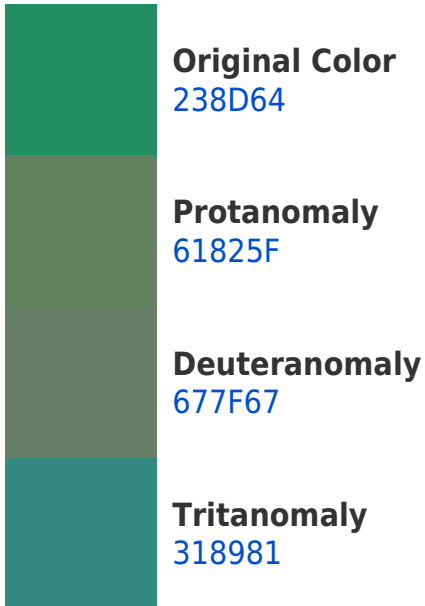
## Dichromacy



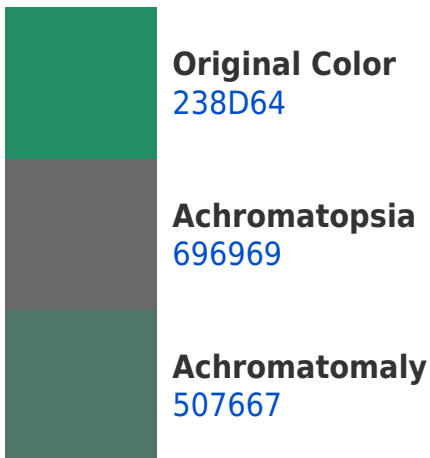


**Tritanopia**  
398792

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 238D64 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 #238D64 looks like.

```
.text, #text, p{  
    color:#238D64  
}
```

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 #238D64 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #238D64
}
```

## Border

The CSS property to change the border of an element to Hex 238D64 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
#238D64 }
```

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

```
.border{ border-color:#238D64 }
```

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

Here you see how a box with a 4 pixel #238D64 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #238D64; -webkit-box-shadow:4px 4px  
4px 4px #238D64; box-shadow:4px 4px 4px  
4px #238D64 }
```

# Background

The CSS property to change the background color of an element to Hex 238D64 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#238D64 }
```

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

```
.background{ background-color:#238D64 }
```

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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