

# Converting Colors

Hex(238784)

Have a look what the booklet for  
Hex(238784) contains.

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# Color

Hex(238784)

# Conversions

## Conversions Part 1

Format	Color
Hex	238784
RGB	35, 135, 132
RGB Percent	14%, 53%, 52%
CMY	0.8627, 0.4706, 0.4824
CMYK	0.74, 0.00, 0.02, 0.47
HSL	178°, 59%, 33%
HSV	178°, 74%, 53%
XYZ	13.5220, 19.3512, 24.8523
YIQ	104.7580, -58.6370, -22.1330

# Conversions

## Conversions Part 2

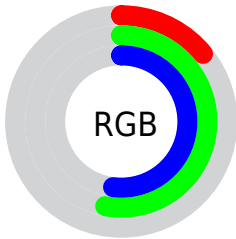
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 86, 135
Decimal	2328452
CIELab	51.10, -28.19, -6.54
CIElCh	51, 28.937, 193.071
Yxy	19.3512, 0.2342, 0.3352
Android (android.graphics.Color)	4280518532 (0xFF238784)
YUV	104.7580, 13.4303, -61.1778
Hunter-Lab	43.9900, -22.1139, -2.7030

# Details

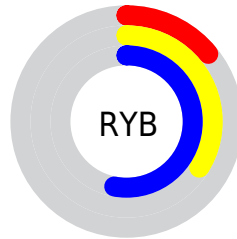
The Hex color **238784** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **872326**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **61BDB9**, and **005553** is the 20% darker color. If you saturate the color by 10%, you get **158784**, and if you desaturate by 10%, it is **318784**.

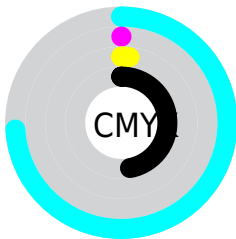
# Distribution



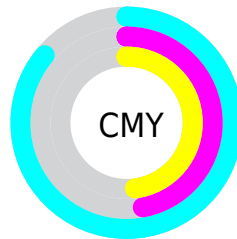
- Red (14%)
- Green (53%)
- Blue (52%)



- Red (14%)
- Yellow (34%)
- Blue (53%)



- Cyan (74%)
- Magenta (0%)
- Yellow (2%)
- Black (47%)



- Cyan (86%)
- Magenta (47%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 238784 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 238784 by changing the saturation by 10% instead.





238784



238784

FFFFFF



006D6B



61BDB9



005553



7DD9D5



003D3C



9AF5F1



002726



B7FFFF



000812



D4FFFF



000000



F1FFFF



238784



238784



158784



318784

■ 088783

■ 3E8785

■ 008783

■ 4C8785

■ 598786

■ 678786

■ 748786

■ 828787

■ 8F8787

■ 9C8788

# Harmonies

## Analogous

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



45866B



238784



17859B

# Triad

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



238784



8A6F9E



96734B

# Complementary

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



238784



872326

# 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.



A66B59



238784



A16889

# Square

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



238784



6878AA



AA6770



7F7C49

# Rectangle

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



238784



2F82A5



AA6770



9C704E



# Sweetspot

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



238784



89B0AF



268723



425959



D9D9D9



595959



# Same Dimension

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



238784



13B0AB



235887



3C4242



00827E



000302



# Inverse Universe

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



872326



B01318



875223



423C3C



820004

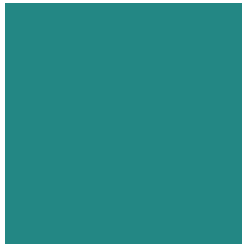


030000



# Previews

## White Background



This preview shows how the Hex color 238784 looks on a white background.

## Color Contrast Check

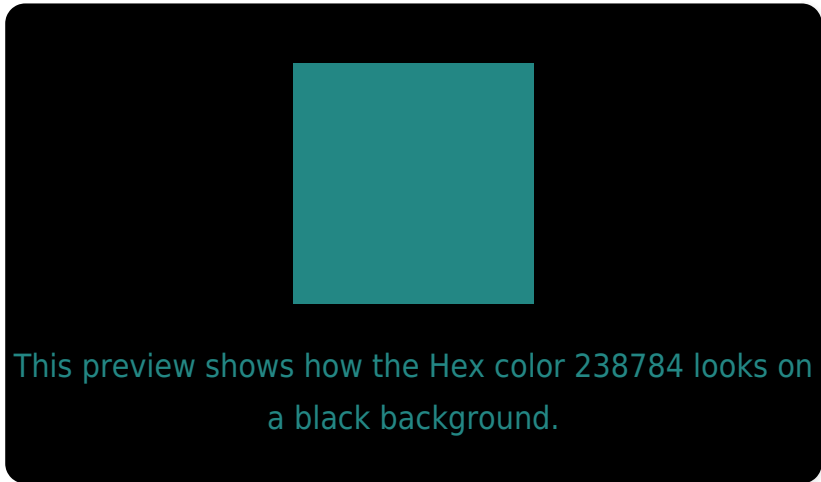
Large Text (above 18pt) WCAG AA ✓ Pass

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

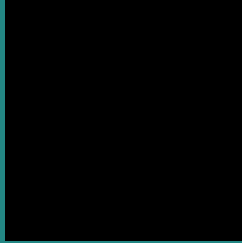
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 238784 Background



This preview shows how black text looks on a background with the Hex color 238784.

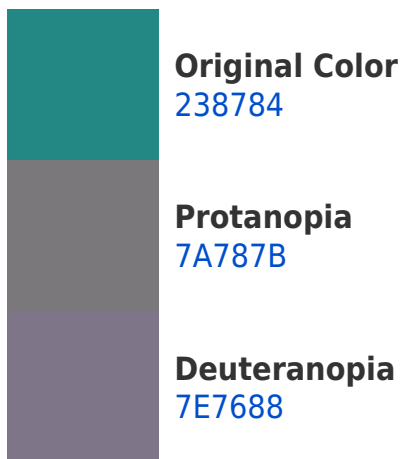


This preview shows how white text looks on a background with the Hex color 238784.

# 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**  
2B8590

# Trichromacy



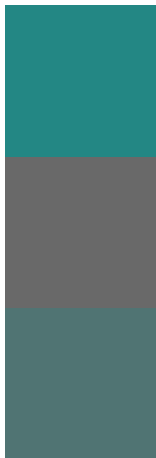
**Original Color**  
238784

**Protanomaly**  
5A7D7E

**Deuteranomaly**  
5D7C87

**Tritanomaly**  
28868C

# Monochromacy



**Original Color**  
238784

**Achromatopsia**  
696969

**Achromatomaly**  
507473

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 238784 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 #238784 looks like.

```
.text, #text, p{  
    color:#238784  
}
```

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 #238784 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #238784
}
```

## Border

The CSS property to change the border of an element to Hex 238784 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
#238784 }
```

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

```
.border{ border-color:#238784 }
```

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

Here you see how a box with a 4 pixel #238784 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #238784; -webkit-box-shadow:4px 4px  
4px 4px #238784; box-shadow:4px 4px 4px  
4px #238784 }
```

# Background

The CSS property to change the background color of an element to Hex 238784 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#238784 }
```

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

```
.background{ background-color:#238784 }
```

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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