

# Converting Colors

Hex(238E78)

Have a look what the booklet for  
Hex(238E78) contains.

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# Color

Hex(238E78)

# Conversions

## Conversions Part 1

Format	Color
Hex	238E78
RGB	35, 142, 120
RGB Percent	14%, 56%, 47%
CMY	0.8627, 0.4431, 0.5294
CMYK	0.75, 0.00, 0.15, 0.44
HSL	168°, 60%, 35%
HSV	168°, 75%, 56%
XYZ	13.7563, 21.0594, 21.1091
YIQ	107.4990, -56.7100, -29.5260

# Conversions

## Conversions Part 2

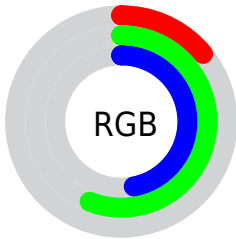
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 95, 142
Decimal	2330232
CIE <sub>Lab</sub>	53.01, -34.96, 3.24
CIE <sub>LCh</sub>	53, 35.108, 174.710
Yxy	21.0594, 0.2460, 0.3766
Android (android.graphics.Color)	4280520312 (0xFF238E78)
YUV	107.4990, 6.1630, -63.5816
Hunter-Lab	45.8905, -26.8006, 4.8506

# Details

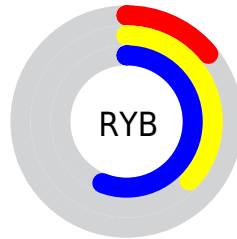
The Hex color **238E78** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8E2339**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **61C4AC**, and **005B48** is the 20% darker color. If you saturate the color by 10%, you get **158E75**, and if you desaturate by 10%, it is **318E7B**.

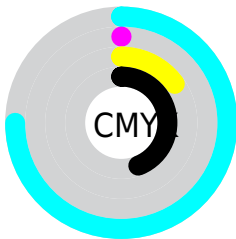
# Distribution



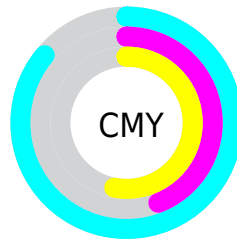
- Red (14%)
- Green (56%)
- Blue (47%)



- Red (14%)
- Yellow (37%)
- Blue (56%)



- Cyan (75%)
- Magenta (0%)
- Yellow (15%)
- Black (44%)



- Cyan (86%)
- Magenta (44%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 238E78 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 238E78 by changing the saturation by 10% instead.



 238E78

 238E78

FFFFFF

 00745F

 61C4AC

 005B48

 7EE1C8

 004331

 9AFDE4

 002C1C

 B7FFFF

 001303

 D4FFFF


 000000

 F1FFFF

 238E78

 238E78

 158E75

 318E7B

 078E72

 3F8E7E

 008E71

 4E8E81

 5C8E84

 6A8E87

 788E8A

 868E8C

 958E8F

 A38E92

# Harmonies

## Analogous

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



548B5B



238E78



008E97

# Triad

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



238E78



7979B5



AD704E

# Complementary

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



238E78



8E2339

# 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.



B86867



238E78



9F6EA2

# Square

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



238E78



4383BA



B46785



967B42

# Rectangle

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



238E78



008CA8



B46785



B26D55



# Sweetspot

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



238E78



8DB8AF



3A8E23



425C57



DBDBDB



5C5C5C



# Same Dimension

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



238E78



12B896



23708E



404746



00876B



000806



# Inverse Universe

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



8E2339



B81234



8E4123



474042



87001C

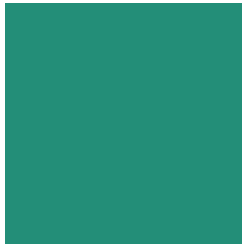


080002



# Previews

## White Background



This preview shows how the Hex color 238E78 looks on a white background.

## Color Contrast Check

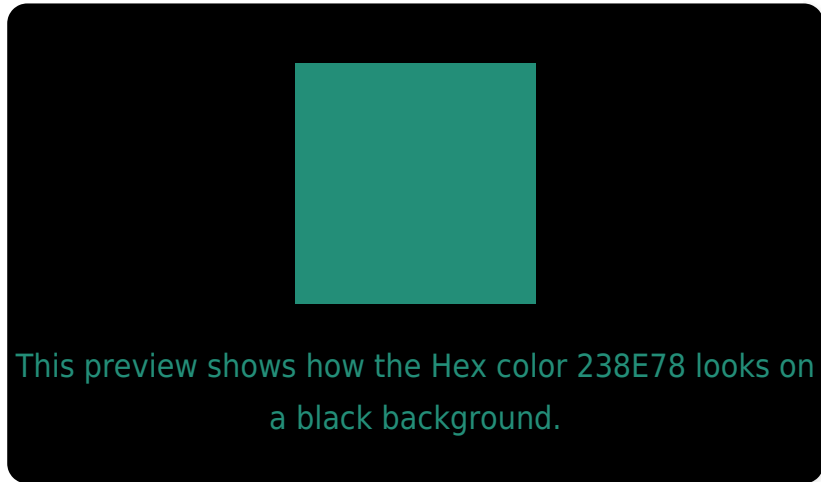
Large Text (above 18pt) WCAG AA ✓ Pass

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

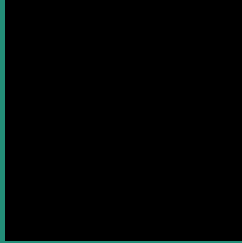
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 238E78 Background



This preview shows how black text looks on a background with the Hex color 238E78.

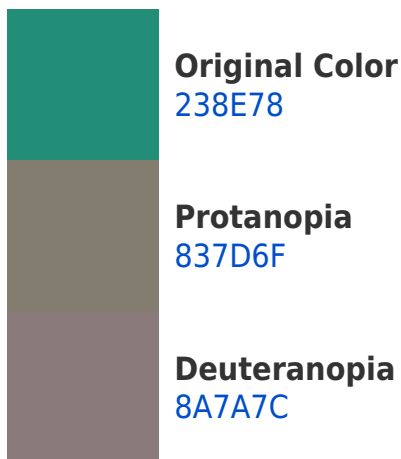


This preview shows how white text looks on a background with the Hex color 238E78.

# 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**  
348A95

# Trichromacy



**Original Color**  
238E78



**Protanomaly**  
608372



**Deuteranomaly**  
65817B



**Tritanomaly**  
2E8B8A

# Monochromacy



**Original Color**  
238E78



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
517870

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 238E78 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 #238E78 looks like.

```
.text, #text, p{  
    color:#238E78  
}
```

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 #238E78 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #238E78
}
```

## Border

The CSS property to change the border of an element to Hex 238E78 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
#238E78 }
```

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

```
.border{ border-color:#238E78 }
```

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

Here you see how a box with a 4 pixel #238E78 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #238E78; -webkit-box-shadow:4px 4px  
4px 4px #238E78; box-shadow:4px 4px 4px  
4px #238E78 }
```

# Background

The CSS property to change the background color of an element to Hex 238E78 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#238E78 }
```

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

```
.background{ background-color:#238E78 }
```

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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