

# Converting Colors

Hex(245F81)

Have a look what the booklet for  
Hex(245F81) contains.

<b>Hex(245F81)</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(245F81)**

# Conversions

## Conversions Part 1

Format	Color
Hex	245F81
RGB	36, 95, 129
RGB Percent	14%, 37%, 51%
CMY	0.8588, 0.6275, 0.4941
CMYK	0.72, 0.26, 0.00, 0.49
HSL	202°, 56%, 32%
HSV	202°, 72%, 51%
XYZ	8.7822, 10.1445, 22.2641
YIQ	81.2350, -46.0780, -1.9340

# Conversions

## Conversions Part 2

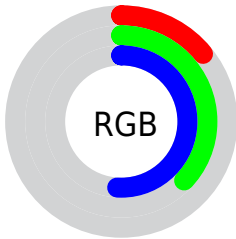
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 72, 129
Decimal	2383745
CIE <sub>Lab</sub>	38.10, -7.15, -24.55
CIE <sub>LCh</sub>	38, 25.570, 253.766
Yxy	10.1445, 0.2132, 0.2463
Android (android.graphics.Color)	4280573825 (0xFF245F81)
YUV	81.2350, 23.5481, -39.6711
Hunter-Lab	31.8504, -6.5198, -19.1497

# Details

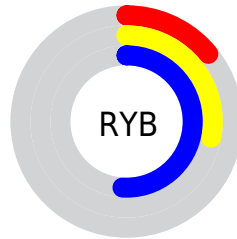
The Hex color **245F81** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **814624**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **5D91B6**, and **003150** is the 20% darker color. If you saturate the color by 10%, you get **175A81**, and if you desaturate by 10%, it is **316481**.

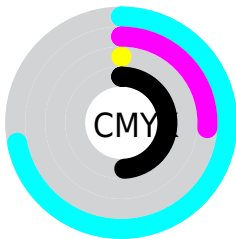
# Distribution



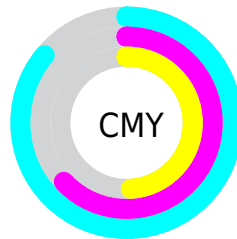
- Red (14%)
- Green (37%)
- Blue (51%)



- Red (14%)
- Yellow (28%)
- Blue (51%)



- Cyan (72%)
- Magenta (26%)
- Yellow (0%)
- Black (49%)



- Cyan (86%)
- Magenta (63%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 245F81 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 245F81 by changing the saturation by 10% instead.



■ 245F81

■ 245F81

FFFFFF

■ 004768

■ 5D91B6

■ 003150

■ 78ACD2

■ 001C38

■ 94C7EE

■ 000223

■ B0E3FF

■ 00000A

■ CCFFFF

■ 000000

■ EAFFFF

■ 245F81

■ 245F81

■ 175A81

■ 316481

■ 0A5681

■ 3E6881

■ 005281

■ 4B6D81

■ 587281

■ 657781

■ 717B81

■ 7E8081

■ 8B8581

■ 988981

# Harmonies

## Analogous

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



006376



245F81



4B5882

# Triad

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



245F81



824951



47613B

# Complementary

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



245F81



814624

# 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.



5E5B31



245F81



7E4E3E

# Square

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



245F81



7B4B66



715532



2B644D

# Rectangle

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



245F81



5F537C



715532



4F5F36



# Sweetspot

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



245F81



839BA8



248145



3E4C54



D4D4D4



545454



# Same Dimension

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



245F81



1673A8



243281



393D40



005180



000000



# Inverse Universe

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



81245F



A81673



817324



40393D



800051



000000



# Previews

## White Background



This preview shows how the Hex color 245F81 looks on a white background.

## Color Contrast Check

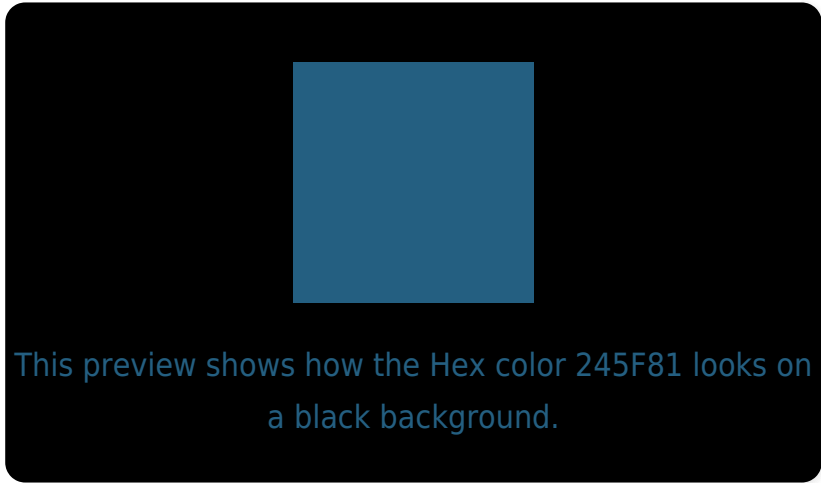
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

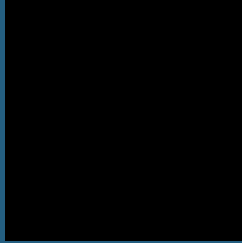
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 245F81 Background



This preview shows how black text looks on a background with the Hex color 245F81.

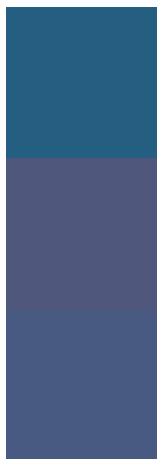


This preview shows how white text looks on a background with the Hex color 245F81.

# 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



**Original Color**  
245F81

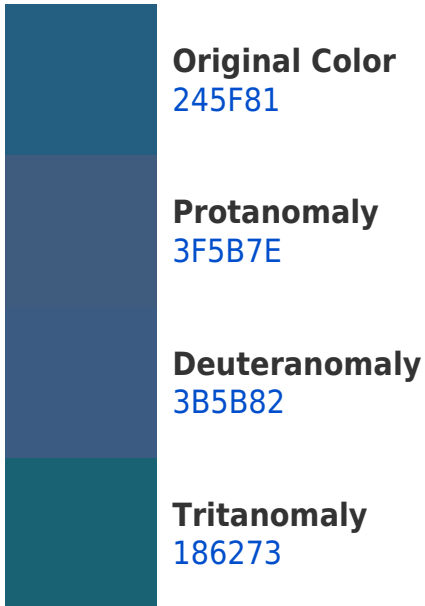
**Protanopia**  
4F587C

**Deuteranopia**  
485982



**Tritanopia**  
11636B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 245F81 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 #245F81 looks like.

```
.text, #text, p{  
    color:#245F81  
}
```

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 #245F81 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #245F81
}
```

## Border

The CSS property to change the border of an element to Hex 245F81 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
#245F81 }
```

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

```
.border{ border-color:#245F81 }
```

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

Here you see how a box with a 4 pixel #245F81 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #245F81; -webkit-box-shadow:4px 4px  
4px 4px #245F81; box-shadow:4px 4px 4px  
4px #245F81 }
```

# Background

The CSS property to change the background color of an element to Hex 245F81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#245F81 }
```

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

```
.background{ background-color:#245F81 }
```

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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