

# Converting Colors

Hex(25158F)

Have a look what the booklet for  
Hex(25158F) contains.

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# Color

**Hex(25158F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	25158F
RGB	37, 21, 143
RGB Percent	15%, 8%, 56%
CMY	0.8549, 0.9176, 0.4392
CMYK	0.74, 0.85, 0.00, 0.44
HSL	248°, 74%, 32%
HSV	248°, 85%, 56%
XYZ	5.9890, 2.9128, 26.2332
YIQ	39.6920, -29.6260, 41.3340

# Conversions

## Conversions Part 2

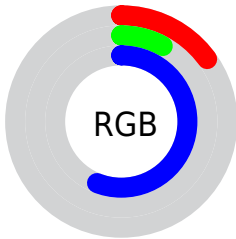
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 21, 143
Decimal	2430351
CIE <sub>Lab</sub>	19.69, 45.12, -62.91
CIE <sub>LCh</sub>	20, 77.422, 305.649
Yxy	2.9128, 0.1705, 0.0829
Android (android.graphics.Color)	4280620431 (0xFF25158F)
YUV	39.6920, 50.9308, -2.3609
Hunter-Lab	17.0670, 32.7709, -79.1861

# Details

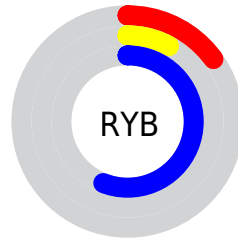
The Hex color **25158F** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **7F8F15**, and the grayscale version is **272727**.

A 20% lighter version of the original color is **6545C6**, and **00005B** is the 20% darker color. If you saturate the color by 10%, you get **19078F**, and if you desaturate by 10%, it is **31238F**.

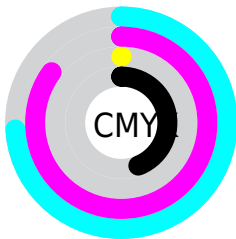
# Distribution



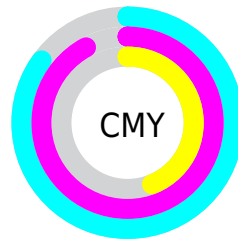
- Red (15%)
- Green (8%)
- Blue (56%)



- Red (15%)
- Yellow (8%)
- Blue (56%)



- Cyan (74%)
- Magenta (85%)
- Yellow (0%)
- Black (44%)



- Cyan (85%)
- Magenta (92%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 25158F 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 25158F by changing the saturation by 10% instead.



 25158F

 25158F

FFFFFF

 000075

 6545C6

 00005B

 825EE3

 000743

 9E77FF

 00032B

 BC91FF

 000116

 D9ACFF

 000000

 F7C8FF

 FFE4FF

 25158F

 25158F

■ 19078F

■ 31238F

■ 13008F

■ 3E328F

■ 4A408F

■ 574E8F

■ 635D8F

■ 706B8F

■ 7C798F

■ 88878F

■ 95968F

# Harmonies

## Analogous

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



0037A5



25158F



750060

# Triad

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



25158F



5F1500



00423A

# Complementary

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



25158F



7F8F15

# 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.



004000



25158F



323200

# Square

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



25158F



7D0000



003C00



004372

# Rectangle

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



25158F



86003B



003C00



004226



# Sweetspot

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



25158F



908ABA



15818F



45415E



DEDEDE



5E5E5E



# Same Dimension

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



25158F



1800BA



60158F



414047



120087



010008



# Inverse Universe

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



8F157F



BA00A2



448F15



474046



870075

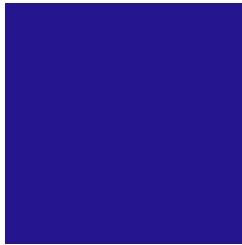


080007



# Previews

## White Background



This preview shows how the Hex color 25158F looks on a white background.

## Color Contrast Check

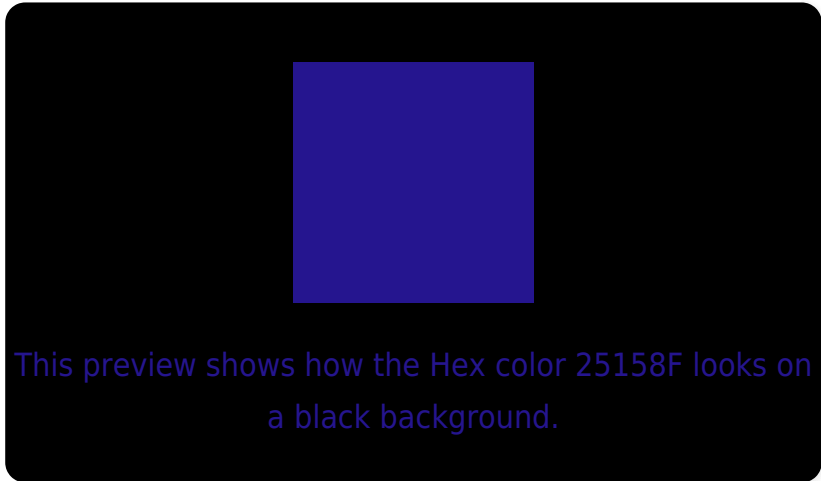
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

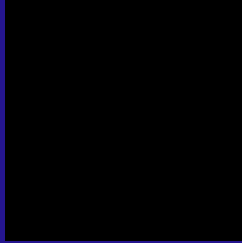
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 25158F Background



This preview shows how black text looks on a background with the Hex color 25158F.



This preview shows how white text looks on a background with the Hex color 25158F.

# 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**  
25158F

**Protanopia**  
002F63

**Deuteranopia**  
003254



# Trichromacy



**Original Color**  
25158F

**Protanomaly**  
0D2673

**Deuteranomaly**  
0D2769

**Tritanomaly**  
0D2A58

# Monochromacy



**Original Color**  
25158F

**Achromatopsia**  
282828

**Achromatomaly**  
27214D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 25158F 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 #25158F looks like.

```
.text, #text, p{  
    color:#25158F  
}
```

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 #25158F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #25158F
}
```

## Border

The CSS property to change the border of an element to Hex 25158F 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".

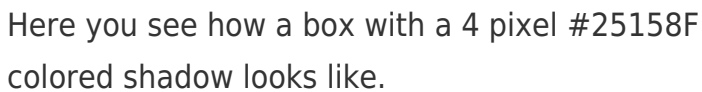
```
.border, #border, table{ border:4px solid
#25158F }
```

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

```
.border{ border-color:#25158F }
```

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

Here you see how a box with a 4 pixel #25158F colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #25158F; -webkit-box-shadow:4px 4px  
4px 4px #25158F; box-shadow:4px 4px 4px  
4px #25158F }
```

# Background

The CSS property to change the background color of an element to Hex 25158F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#25158F }
```

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

```
.background{ background-color:#25158F }
```

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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