

# Converting Colors

Hex(12125F)

Have a look what the booklet for  
Hex(12125F) contains.

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# Color

**Hex(12125F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12125F
RGB	18, 18, 95
RGB Percent	7%, 7%, 37%
CMY	0.9294, 0.9294, 0.6275
CMYK	0.81, 0.81, 0.00, 0.63
HSL	240°, 68%, 22%
HSV	240°, 81%, 37%
XYZ	2.5313, 1.3874, 10.9609
YIQ	26.7780, -24.7170, 23.9470

# Conversions

## Conversions Part 2

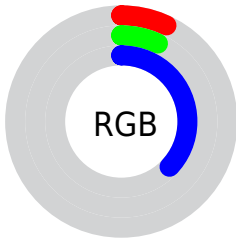
Format	Color
<b>R<sub>YB</sub></b>	18, 18, 95
Decimal	1184351
CIE Lab	11.87, 29.17, -44.98
CIE LCh	12, 53.610, 302.965
Yxy	1.3874, 0.1701, 0.0932
Android (android.graphics.Color)	4279374431 (0xFF12125F)
YUV	26.7780, 33.6334, -7.6983
Hunter-Lab	11.7789, 17.7469, -46.9269

# Details

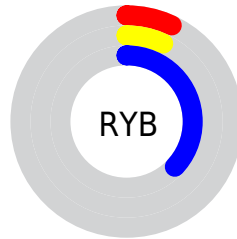
The Hex color **12125F** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **5F5F12**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **4C3D92**, and **00042F** is the 20% darker color. If you saturate the color by 10%, you get **08085F**, and if you desaturate by 10%, it is **1C1C5F**.

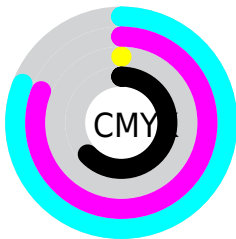
# Distribution



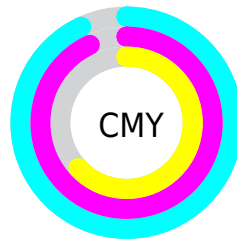
- Red (7%)
- Green (7%)
- Blue (37%)



- Red (7%)
- Yellow (7%)
- Blue (37%)



- Cyan (81%)
- Magenta (81%)
- Yellow (0%)
- Black (63%)



- Cyan (93%)
- Magenta (93%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12125F 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 12125F by changing the saturation by 10% instead.



 12125F

 12125F

 FFF5FF

 000047

 4C3D92

 00042F

 6755AD

 00011A

 826EC9

 000000

 9E87E5

 BAA1FF

 D6BCFF

 F4D8FF

 12125F

 12125F

■ 08085F

■ 1C1C5F

■ 00005F

■ 25255F

■ 2F2F5F

■ 38385F

■ 42425F

■ 4B4B5F

■ 55555F

■ 5E5E5F

■ 68685F

# Harmonies

## Analogous

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



00256C



12125F



4B0042

# Triad

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



12125F



410C00



002D22

# Complementary

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



12125F



5F5F12

# 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.



002C00



12125F



252000

# Square

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



12125F



540000



002800



002E47

# Rectangle

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



12125F



57002A



002800



002D15



# Sweetspot

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



12125F



5D5D7A



125F5F



2B2B3D



BDBDBD



3D3D3D



# Same Dimension

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



12125F



04047A



39125F



2C2C30



000070



0000F0



# Inverse Universe

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



5F125F



7A047A



395F12



302C30



700070

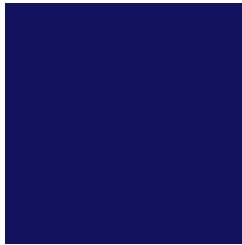


F000F0



# Previews

## White Background



This preview shows how the Hex color 12125F looks on a white background.

## Color Contrast Check

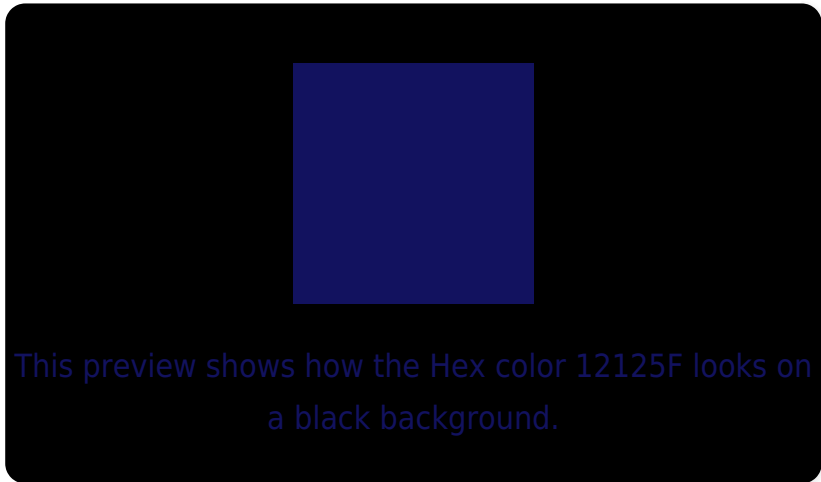
Large Text (above 18pt) WCAG AA ✓ Pass

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

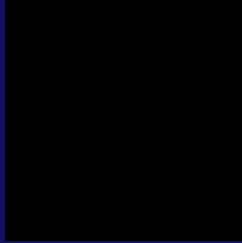
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 12125F Background



This preview shows how black text looks on a background with the Hex color 12125F.



This preview shows how white text looks on a background with the Hex color 12125F.

# 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**  
12125F

**Protanopia**  
002042

**Deuteranopia**  
002238



# Trichromacy



**Original Color**  
12125F

**Protanomaly**  
071B4D

**Deuteranomaly**  
071C46

**Tritanomaly**  
071D3B

# Monochromacy



**Original Color**  
12125F

**Achromatopsia**  
1B1B1B

**Achromatomaly**  
181834

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12125F 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 #12125F looks like.

```
.text, #text, p{  
    color:#12125F  
}
```

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 #12125F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12125F
}
```

## Border

The CSS property to change the border of an element to Hex 12125F 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
#12125F }
```

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

```
.border{ border-color:#12125F }
```

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

Here you see how a box with a 4 pixel #12125F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12125F; -webkit-box-shadow:4px 4px  
4px 4px #12125F; box-shadow:4px 4px 4px  
4px #12125F }
```

# Background

The CSS property to change the background color of an element to Hex 12125F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12125F }
```

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

```
.background{ background-color:#12125F }
```

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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