

# Converting Colors

Hex(12153D)

Have a look what the booklet for  
Hex(12153D) contains.

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# Color

Hex(12153D)

# Conversions

## Conversions Part 1

Format	Color
Hex	12153D
RGB	18, 21, 61
RGB Percent	7%, 8%, 24%
CMY	0.9294, 0.9176, 0.7608
CMYK	0.70, 0.66, 0.00, 0.76
HSL	236°, 54%, 15%
HSV	236°, 70%, 24%
XYZ	1.3599, 1.0019, 4.5366
YIQ	24.6630, -14.6280, 11.8040

# Conversions

## Conversions Part 2

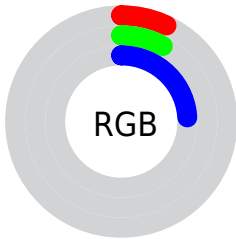
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 21, 61
Decimal	1185085
CIE Lab	9.01, 13.60, -26.22
CIE LCh	9, 29.535, 297.409
Yxy	1.0019, 0.1971, 0.1452
Android (android.graphics.Color)	4279375165 (0xFF12153D)
YUV	24.6630, 17.9141, -5.8435
Hunter-Lab	10.0093, 6.7360, -19.8660

# Details

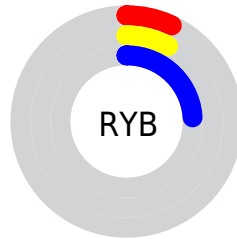
The Hex color **12153D** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **3D3A12**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **423F6D**, and **000110** is the 20% darker color. If you saturate the color by 10%, you get **0C0F3D**, and if you desaturate by 10%, it is **181B3D**.

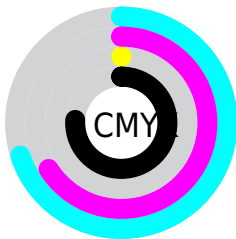
# Distribution



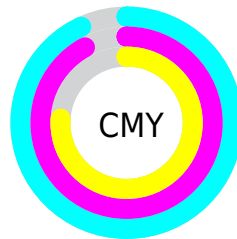
- Red (7%)
- Green (8%)
- Blue (24%)



- Red (7%)
- Yellow (8%)
- Blue (24%)



- Cyan (70%)
- Magenta (66%)
- Yellow (0%)
- Black (76%)



- Cyan (93%)
- Magenta (92%)
- Yellow (76%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 12153D 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 12153D by changing the saturation by 10% instead.



 12153D

 12153D

 FEF6FF

 000027

 423F6D

 000110

 5B5686

 000000

 746FA1

 8E88BC

 A9A2D8

 C5BDF4

 E1D9FF

 12153D

 12153D

■ 0C0F3D

■ 181B3D

■ 060A3D

■ 1E203D

■ 00043D

■ 24263D

■ 2A2C3D

■ 31313D

■ 37373D

■ 3D3D3D

■ 43423D

■ 49483D

# Harmonies

## Analogous

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



001D41



12153D



2F092F

# Triad

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



12153D



310F00



002317

# Complementary

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



12153D



3D3A12

# 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.



002100



12153D



231800

# Square

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



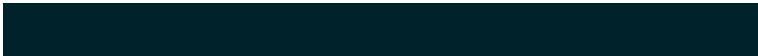
12153D



3B0401



0E1E00



00232B

# Rectangle

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



12153D



380223



0E1E00



00230F



# Sweetspot

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



12153D



3E404F



123D39



1F1F29



A8A8A8



292929



# Same Dimension

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



12153D



0C114F



24123D



1C1C1F



00075E



000FDE



# Inverse Universe

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



3D1215



4F0C11



2B3D12



1F1C1C



5E0007



DE000F



# Previews

## White Background



This preview shows how the Hex color 12153D looks on a white background.

## Color Contrast Check

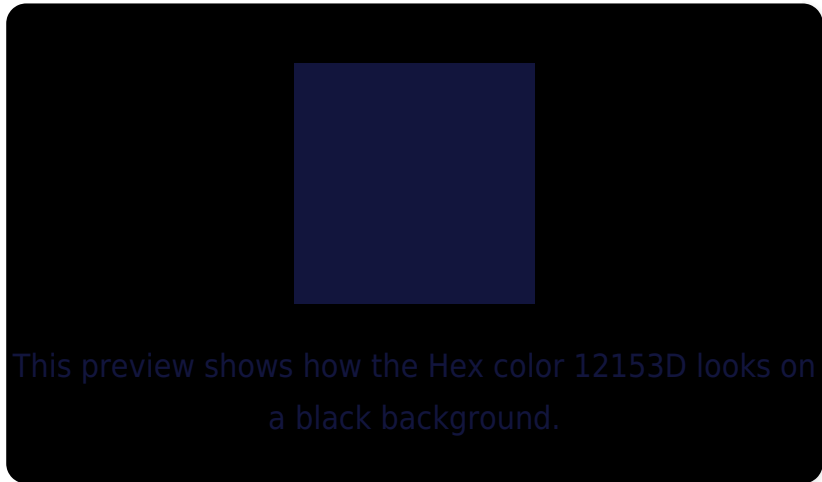
Large Text (above 18pt) WCAG AA ✓ Pass

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

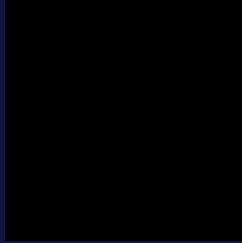
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 12153D Background



This preview shows how black text looks on a background with the Hex color 12153D.



This preview shows how white text looks on a background with the Hex color 12153D.

# 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**  
12153D

**Protanopia**  
001935

**Deuteranopia**  
001B2E



**Tritanopia**  
001D1F

# Trichromacy



**Original Color**  
12153D

**Protanomaly**  
071838

**Deuteranomaly**  
071933

**Tritanomaly**  
071A2A

# Monochromacy



**Original Color**  
12153D

**Achromatopsia**  
191919

**Achromatomaly**  
161826

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12153D 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 #12153D looks like.

```
.text, #text, p{  
    color:#12153D  
}
```

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 #12153D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12153D
}
```

## Border

The CSS property to change the border of an element to Hex 12153D 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
#12153D }
```

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

```
.border{ border-color:#12153D }
```

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

Here you see how a box with a 4 pixel #12153D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12153D; -webkit-box-shadow:4px 4px  
4px 4px #12153D; box-shadow:4px 4px 4px  
4px #12153D }
```

# Background

The CSS property to change the background color of an element to Hex 12153D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12153D }
```

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

```
.background{ background-color:#12153D }
```

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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