

Converting Colors

Hex(12306A)

Have a look what the booklet for
Hex(12306A) contains.

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Color

Hex(12306A)

Conversions

Conversions Part 1

Format	Color
Hex	12306A
RGB	18, 48, 106
RGB Percent	7%, 19%, 42%
CMY	0.9294, 0.8118, 0.5843
CMYK	0.83, 0.55, 0.00, 0.58
HSL	220°, 71%, 24%
HSV	220°, 83%, 42%
XYZ	3.9079, 3.2831, 14.0634
YIQ	45.6420, -36.4980, 11.6780

Conversions

Conversions Part 2

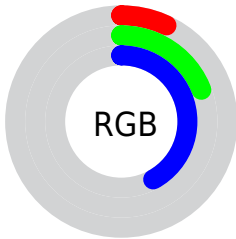
Format	Color
RYB	18, 40, 106
Decimal	1192042
CIELab	21.14, 12.47, -37.06
CIELCh	21, 39.098, 288.599
Yxy	3.2831, 0.1839, 0.1545
Android (android.graphics.Color)	4279382122 (0xFF12306A)
YUV	45.6420, 29.7565, -24.2420
Hunter-Lab	18.1194, 6.7894, -33.3346

Details

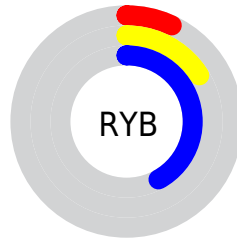
The Hex color **12306A** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **6A4C12**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **4D5D9E**, and **00003A** is the 20% darker color. If you saturate the color by 10%, you get **07296A**, and if you desaturate by 10%, it is **1D376A**.

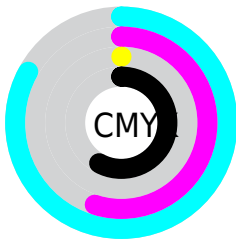
Distribution



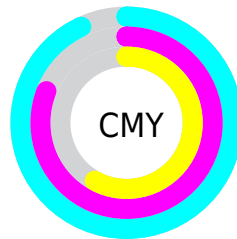
- Red (7%)
- Green (19%)
- Blue (42%)



- Red (7%)
- Yellow (16%)
- Blue (42%)



- Cyan (83%)
- Magenta (55%)
- Yellow (0%)
- Black (58%)



- Cyan (93%)
- Magenta (81%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12306A 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 12306A by changing the saturation by 10% instead.

■ 12306A

■ 12306A

FFFFFF

■ 001C51

■ 4D5D9E

■ 00003A

■ 6876B9

■ 000224

■ 8390D5

■ 00000B

■ 9EAAF1

■ 000000

■ BAC5FF

■ D7E1FF

■ F4FEFF

■ 12306A

■ 12306A

■ 07296A

■ 1D376A

■ 00246A

■ 273E6A

■ 32456A

■ 3C4C6A

■ 47536A

■ 525A6A

■ 5C616A

■ 67686A

■ 716F6A

Harmonies

Analogous

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



00396C



12306A



4A2259

Triad

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



12306A



5B2004



003F26

Complementary

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



12306A



6A4C12

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.



033C07



12306A



492D00

Square

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



12306A



651222



2F3700



003F44

Rectangle

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



12306A



5B1748



2F3700



003E1C

Sweetspot

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



12306A



67738A



126A4B



303745



C4C4C4



454545

Same Dimension

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



12306A



002F8A



1F126A



303236



002875



0053F5

Inverse Universe

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



6A1230



8A002F



5D6A12



363032



750028



F50053

Previews

White Background



This preview shows how the Hex color 12306A looks on a white background.

Color Contrast Check

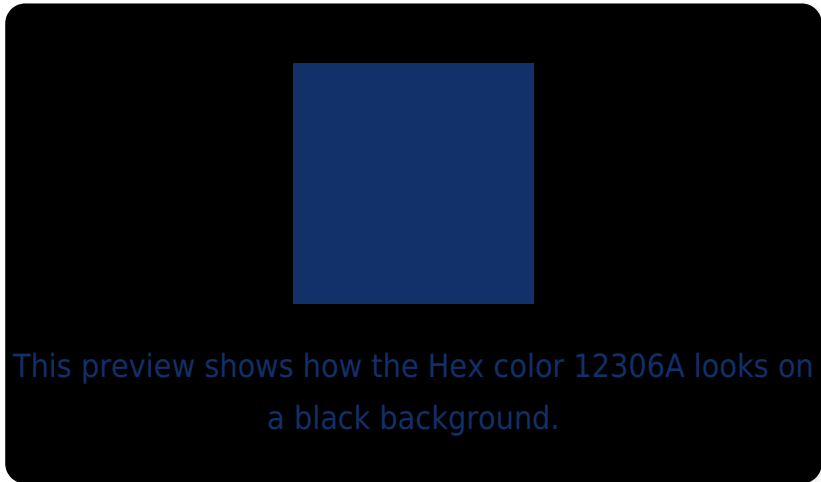
Large Text (above 18pt) WCAG AA ✓ Pass

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 12306A Background



This preview shows how black text looks on a background with the Hex color 12306A.



This preview shows how white text looks on a background with the Hex color 12306A.

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
12306A

Protanopia
003169

Deuteranopia
00345A



Tritanopia
00393C

Trichromacy



Original Color
12306A

Protanomaly
073169

Deuteranomaly
073360

Tritanomaly
07364D

Monochromacy



Original Color
12306A

Achromatopsia
2E2E2E

Achromatomaly
242F44

CSS Examples

Text

The CSS property to change the color of the text to Hex 12306A 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 #12306A looks like.

```
.text, #text, p{  
    color:#12306A  
}
```

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 #12306A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12306A
}
```

Border

The CSS property to change the border of an element to Hex 12306A 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".

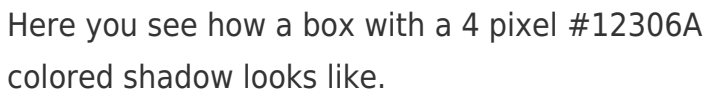
```
.border, #border, table{ border:4px solid
#12306A }
```

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

```
.border{ border-color:#12306A }
```

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

Here you see how a box with a 4 pixel #12306A colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12306A; -webkit-box-shadow:4px 4px  
4px 4px #12306A; box-shadow:4px 4px 4px  
4px #12306A }
```

Background

The CSS property to change the background color of an element to Hex 12306A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12306A }
```

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

```
.background{ background-color:#12306A }
```

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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