

Converting Colors

Hex(12247A)

Have a look what the booklet for
Hex(12247A) contains.

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Color

Hex(12247A)

Conversions

Conversions Part 1

Format	Color
Hex	12247A
RGB	18, 36, 122
RGB Percent	7%, 14%, 48%
CMY	0.9294, 0.8588, 0.5216
CMYK	0.85, 0.70, 0.00, 0.52
HSL	230°, 74%, 27%
HSV	230°, 85%, 48%
XYZ	4.3932, 2.7955, 18.7204
YIQ	40.4220, -38.3340, 22.9300

Conversions

Conversions Part 2

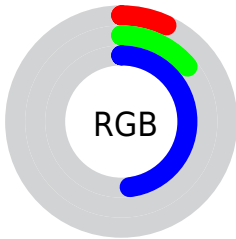
Format	Color
R_{YB}	18, 33, 122
Decimal	1188986
CIE _{Lab}	19.21, 27.69, -50.51
CIE _{LCh}	19, 57.604, 298.732
Yxy	2.7955, 0.1696, 0.1079
Android (android.graphics.Color)	4279379066 (0xFF12247A)
YUV	40.4220, 40.2180, -19.6641
Hunter-Lab	16.7197, 17.6422, -54.6808

Details

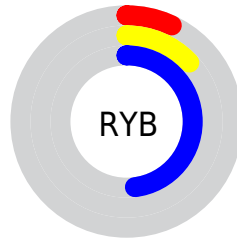
The Hex color **12247A** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **7A6812**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **5351AF**, and **000048** is the 20% darker color. If you saturate the color by 10%, you get **061A7A**, and if you desaturate by 10%, it is **1E2E7A**.

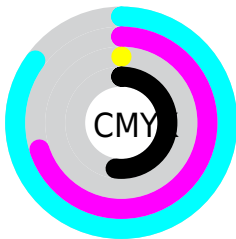
Distribution



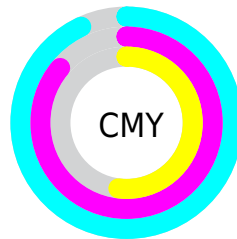
- Red (7%)
- Green (14%)
- Blue (48%)



- Red (7%)
- Yellow (13%)
- Blue (48%)



- Cyan (85%)
- Magenta (70%)
- Yellow (0%)
- Black (52%)



- Cyan (93%)
- Magenta (86%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12247A 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 12247A by changing the saturation by 10% instead.

■ 12247A

■ 12247A

FFFFFF

■ 001061

■ 5351AF

■ 000048

■ 6F69CB

■ 000431

■ 8B82E8

■ 00011B

■ A79CFF

■ 000000

■ C4B7FF

■ E1D3FF

■ FEEFFF

■ 12247A

■ 12247A

■ 061A7A

■ 1E2E7A

■ 00157A

■ 2A387A

■ 37427A

■ 434C7A

■ 4F567A

■ 5B617A

■ 676B7A

■ 74757A

■ 807F7A

Harmonies

Analogous

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



003685



12247A



5C005B

Triad

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



12247A



5B1600



003E2C

Complementary

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



12247A



7A6812

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.



003C00



12247A



3C2D00

Square

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



12247A



6F0006



0D3700



003E56

Rectangle

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



12247A



6D0040



0D3700



003D1D

Sweetspot

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



12247A



757C9E



127A67



373B4F



CFCFCF



4F4F4F

Same Dimension

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



12247A



001B9E



33127A



37383D



00167D



002CFC

Inverse Universe

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



7A1224



9E001B



597A12



3D3738



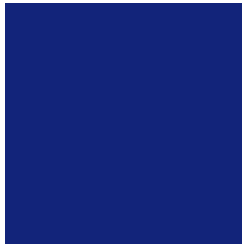
7D0016



FC002C

Previews

White Background



This preview shows how the Hex color 12247A looks on a white background.

Color Contrast Check

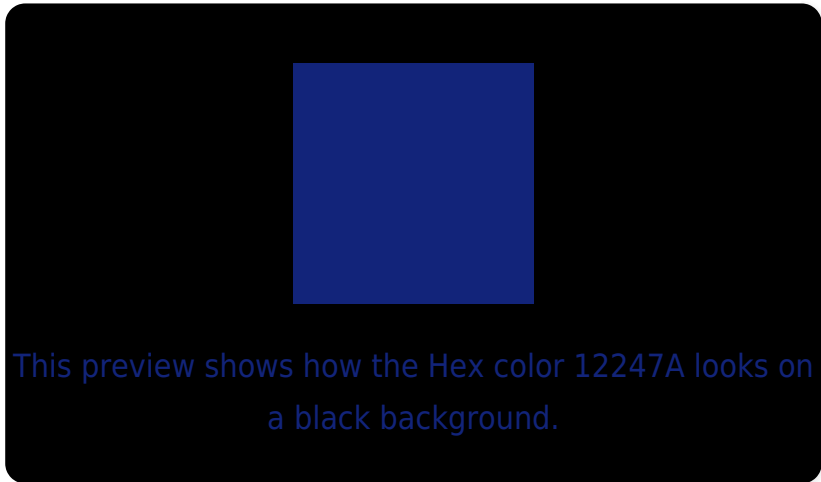
Large Text (above 18pt) WCAG AA ✓ Pass

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

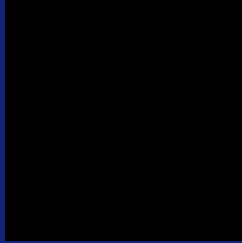
Any Text WCAG AA × Fail

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 12247A Background



This preview shows how black text looks on a background with the Hex color 12247A.



This preview shows how white text looks on a background with the Hex color 12247A.

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
12247A

Protanopia
002E60

Deuteranopia
003152

Trichromacy



Original Color
12247A

Protanomaly
072A69

Deuteranomaly
072C61

Tritanomaly
072E4F

Monochromacy



Original Color
12247A

Achromatopsia
282828

Achromatomaly
202746

CSS Examples

Text

The CSS property to change the color of the text to Hex 12247A 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 #12247A looks like.

```
.text, #text, p{  
    color:#12247A  
}
```

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 #12247A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12247A
}
```

Border

The CSS property to change the border of an element to Hex 12247A 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
#12247A }
```

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

```
.border{ border-color:#12247A }
```

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

Here you see how a box with a 4 pixel #12247A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12247A; -webkit-box-shadow:4px 4px  
4px 4px #12247A; box-shadow:4px 4px 4px  
4px #12247A }
```

Background

The CSS property to change the background color of an element to Hex 12247A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12247A }
```

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

```
.background{ background-color:#12247A }
```

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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