

Converting Colors

Hex(12415A)

Have a look what the booklet for
Hex(12415A) contains.

Hex(12415A)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(12415A)

Conversions

Conversions Part 1

Format	Color
Hex	12415A
RGB	18, 65, 90
RGB Percent	7%, 25%, 35%
CMY	0.9294, 0.7451, 0.6471
CMYK	0.80, 0.28, 0.00, 0.65
HSL	201°, 67%, 21%
HSV	201°, 80%, 35%
XYZ	3.9852, 4.6474, 10.3598
YIQ	53.7970, -36.0370, -2.1890

Conversions

Conversions Part 2

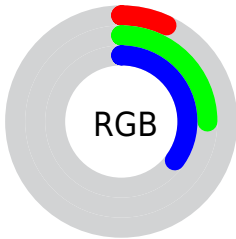
Format	Color
RYB	18, 46, 90
Decimal	1196378
CIELab	25.71, -6.06, -19.40
CIELCh	26, 20.324, 252.646
Yxy	4.6474, 0.2098, 0.2447
Android (android.graphics.Color)	4279386458 (0xFF12415A)
YUV	53.7970, 17.8481, -31.3940
Hunter-Lab	21.5578, -4.7282, -13.4021

Details

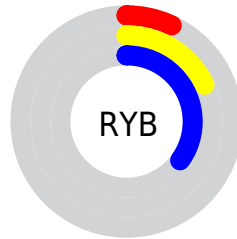
The Hex color **12415A** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **5A2B12**, and the grayscale version is **363636**.

A 20% lighter version of the original color is **49718C**, and **00172C** is the 20% darker color. If you saturate the color by 10%, you get **093E5A**, and if you desaturate by 10%, it is **1B445A**.

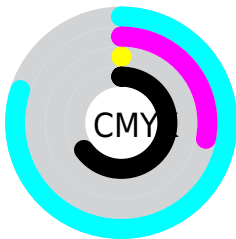
Distribution



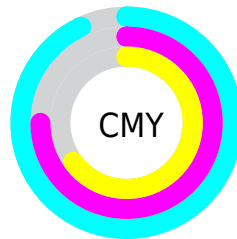
- Red (7%)
- Green (25%)
- Blue (35%)



- Red (7%)
- Yellow (18%)
- Blue (35%)



- Cyan (80%)
- Magenta (28%)
- Yellow (0%)
- Black (65%)



- Cyan (93%)
- Magenta (75%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12415A 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 12415A by changing the saturation by 10% instead.

■ 12415A

■ 12415A

FFFFFF

■ 002B42

■ 49718C

■ 00172C

■ 638AA7

■ 000118

■ 7DA4C2

■ 000000

■ 98BFDE

■ B4DBFA

■ D0F8FF

■ ECF8FF

■ 12415A

■ 12415A

■ 093E5A

■ 1B445A

■ 003B5A

■ 24475A

■ 2D4A5A

■ 364E5A

■ 3F515A

■ 48545A

■ 51575A

■ 5A5A5A

■ 635D5A

Harmonies

Analogous

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



004451



12415A



313C5B

Triad

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



12415A



5B3137



2F4226

Complementary

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



12415A



5A2B12

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.



403E1E



12415A



583429

Square

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



12415A



553246



4E391F



1B4433

Rectangle

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



12415A



403857



4E391F



354122

Sweetspot

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



12415A



596C75



125A2A



2A353B



BABABA



3B3B3B

Same Dimension

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



12415A



054E75



121E5A



292C2E



00486E



009BED

Inverse Universe

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



5A1241



75054E



5A4E12



2E292C



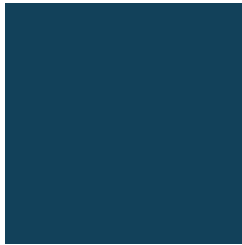
6E0048



ED009B

Previews

White Background



This preview shows how the Hex color 12415A looks on a white background.

Color Contrast Check

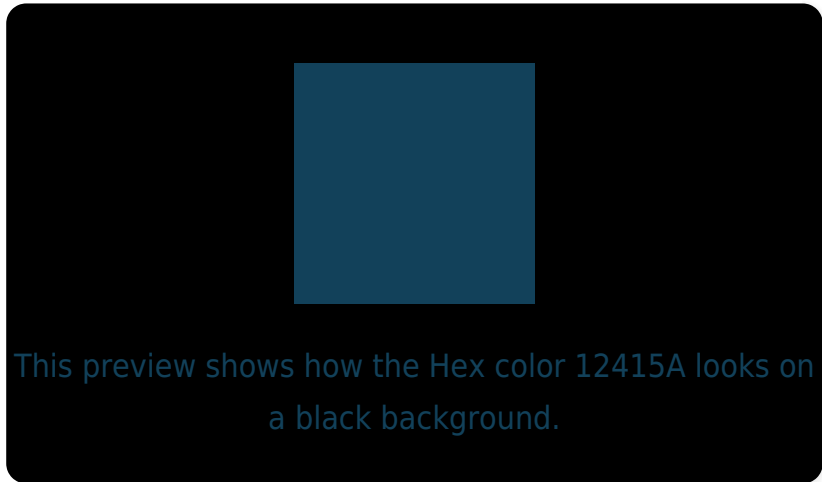
Large Text (above 18pt) WCAG AA ✓ Pass

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

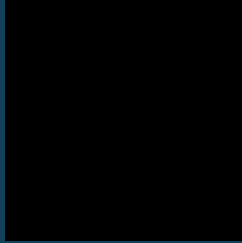
Any Text WCAG AA × Fail

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 12415A Background



This preview shows how black text looks on a background with the Hex color 12415A.



This preview shows how white text looks on a background with the Hex color 12415A.

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
12415A

Protanopia
353C56

Deuteranopia
2F3D5B

Trichromacy



Original Color
12415A

Protanomaly
283E57

Deuteranomaly
243E5B

Tritanomaly
07434F

Monochromacy



Original Color
12415A

Achromatopsia
363636

Achromatomaly
293A43

CSS Examples

Text

The CSS property to change the color of the text to Hex 12415A 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 #12415A looks like.

```
.text, #text, p{  
    color:#12415A  
}
```

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 #12415A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12415A
}
```

Border

The CSS property to change the border of an element to Hex 12415A 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
#12415A }
```

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

```
.border{ border-color:#12415A }
```

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

Here you see how a box with a 4 pixel #12415A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12415A; -webkit-box-shadow:4px 4px  
4px 4px #12415A; box-shadow:4px 4px 4px  
4px #12415A }
```

Background

The CSS property to change the background color of an element to Hex 12415A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12415A }
```

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

```
.background{ background-color:#12415A }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor