

Converting Colors

Hex(2A157A)

Have a look what the booklet for
Hex(2A157A) contains.

Hex(2A157A)	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(2A157A)

Conversions

Conversions Part 1

Format	Color
Hex	2A157A
RGB	42, 21, 122
RGB Percent	16%, 8%, 48%
CMY	0.8353, 0.9176, 0.5216
CMYK	0.66, 0.83, 0.00, 0.52
HSL	252°, 71%, 28%
HSV	252°, 83%, 48%
XYZ	4.7359, 2.4337, 18.6325
YIQ	38.7930, -19.9050, 35.8630

Conversions

Conversions Part 2

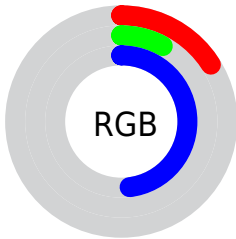
Format	Color
R _Y B	42, 21, 122
Decimal	2758010
CIE Lab	17.62, 39.09, -53.08
CIE LCh	18, 65.920, 306.371
Yxy	2.4337, 0.1835, 0.0943
Android (android.graphics.Color)	4280948090 (0xFF2A157A)
YUV	38.7930, 41.0211, 2.8125
Hunter-Lab	15.6004, 26.8873, -59.8936

Details

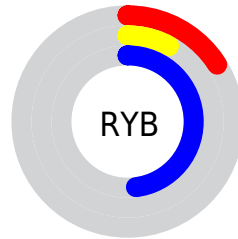
The Hex color **2A157A** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **657A15**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **6344B0**, and **000048** is the 20% darker color. If you saturate the color by 10%, you get **20097A**, and if you desaturate by 10%, it is **34217A**.

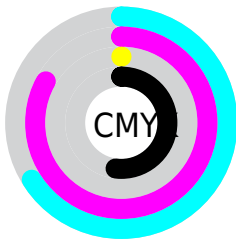
Distribution



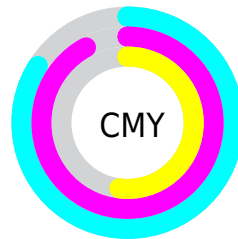
- Red (16%)
- Green (8%)
- Blue (48%)



- Red (16%)
- Yellow (8%)
- Blue (48%)



- Cyan (66%)
- Magenta (83%)
- Yellow (0%)
- Black (52%)



- Cyan (84%)
- Magenta (92%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2A157A 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 2A157A by changing the saturation by 10% instead.

■ 2A157A

■ 2A157A

FFFFFF

■ 000060

■ 6344B0

■ 000048

■ 7F5CCB

■ 000430

■ 9B75E8

■ 00011B

■ B78FFF

■ 000000

■ D4AAFF

■ F1C6FF

■ FFE2FF

■ 2A157A

■ 2A157A

■ 20097A

■ 34217A

■ 19007A

■ 3D2D7A

■ 473A7A

■ 51467A

■ 5A527A

■ 645E7A

■ 6E6A7A

■ 77777A

■ 81837A

Harmonies

Analogous

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



00318D



2A157A



670052

Triad

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



2A157A



531700



003C35

Complementary

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



2A157A



657A15

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.



003A00



2A157A



2D2D00

Square

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



2A157A



6D0000



003600



003C64

Rectangle

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



2A157A



750033



003600



003B24

Sweetspot

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



2A157A



7F779E



15667A



3C374F



CFCFCF



4F4F4F

Same Dimension

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



2A157A



22029E



5C157A



38373D



1A007D



3400FC

Inverse Universe

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



7A1565



9E027E



337A15



3D373C



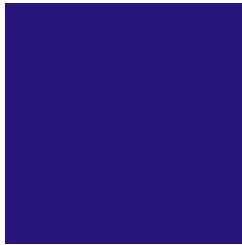
7D0063



FC00C8

Previews

White Background



This preview shows how the Hex color 2A157A looks on a white background.

Color Contrast Check

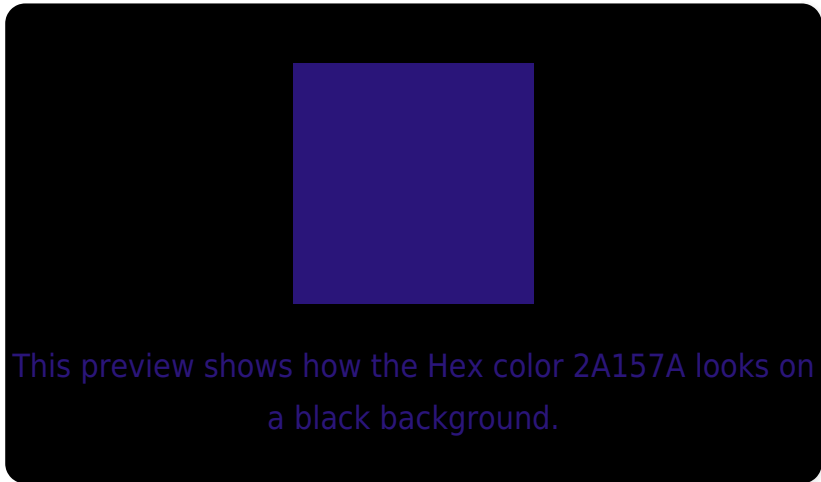
Large Text (above 18pt) WCAG AA ✓ Pass

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

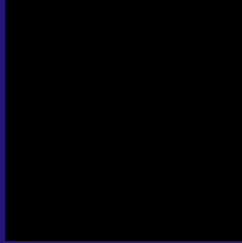
Any Text WCAG AA × Fail

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 2A157A Background



This preview shows how black text looks on a background with the Hex color 2A157A.



This preview shows how white text looks on a background with the Hex color 2A157A.

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
2A157A

Protanopia
002B5A

Deuteranopia
002E4D

Trichromacy



Original Color
2A157A

Protanomaly
0F2366

Deuteranomaly
0F255D

Tritanomaly
0F274E

Monochromacy



Original Color
2A157A

Achromatopsia
272727

Achromatomaly
282045

CSS Examples

Text

The CSS property to change the color of the text to Hex 2A157A 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 #2A157A looks like.

```
.text, #text, p{  
    color:#2A157A  
}
```

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 #2A157A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A157A
}
```

Border

The CSS property to change the border of an element to Hex 2A157A 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
#2A157A }
```

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

```
.border{ border-color:#2A157A }
```

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

Here you see how a box with a 4 pixel #2A157A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A157A; -webkit-box-shadow:4px 4px  
4px 4px #2A157A; box-shadow:4px 4px 4px  
4px #2A157A }
```

Background

The CSS property to change the background color of an element to Hex 2A157A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A157A }
```

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

```
.background{ background-color:#2A157A }
```

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