

Converting Colors

Hex(2D457A)

Have a look what the booklet for
Hex(2D457A) contains.

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Color

Hex(2D457A)

Conversions

Conversions Part 1

Format	Color
Hex	2D457A
RGB	45, 69, 122
RGB Percent	18%, 27%, 48%
CMY	0.8235, 0.7294, 0.5216
CMYK	0.63, 0.43, 0.00, 0.52
HSL	221°, 46%, 33%
HSV	221°, 63%, 48%
XYZ	6.7232, 6.2193, 19.2584
YIQ	67.8660, -31.3170, 11.3950

Conversions

Conversions Part 2

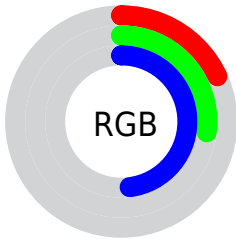
Format	Color
R_{YB}	45, 63, 122
Decimal	2966906
CIE _{Lab}	29.96, 8.68, -33.03
CIE _{LCh}	30, 34.149, 284.731
Yxy	6.2193, 0.2088, 0.1931
Android (android.graphics.Color)	4281156986 (0xFF2D457A)
YUV	67.8660, 26.6881, -20.0535
Hunter-Lab	24.9385, 4.4795, -28.3291




Details

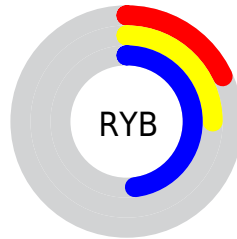
The Hex color **2D457A** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **7A622D**, and the grayscale version is **444444**.




A 20% lighter version of the original color is **6275AF**, and **001B49** is the 20% darker color. If you saturate the color by 10%, you get **213D7A**, and if you desaturate by 10%, it is **394D7A**.

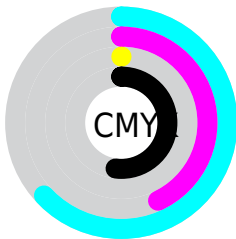
Distribution







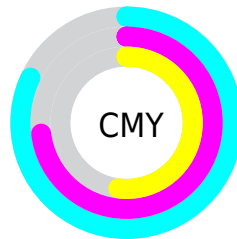
-  Red (18%)
-  Green (27%)
-  Blue (48%)






-  Red (18%)
-  Yellow (25%)
-  Blue (48%)



-  Cyan (63%)
-  Magenta (43%)
-  Yellow (0%)
-  Black (52%)



-  Cyan (82%)
-  Magenta (73%)
-  Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D457A 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 2D457A by changing the saturation by 10% instead.

■ 2D457A

■ 2D457A

FFFFFF

■ 0D2F61

■ 6275AF

■ 001B49

■ 7D8ECA

■ 000032

■ 98A9E7

■ 00021C

■ B4C4FF

■ 000000

■ D0E0FF

■ EDFCFF

■ 2D457A

■ 2D457A

■ 213D7A

■ 394D7A

■ 15347A

■ 45567A

■ 082C7A

■ 525E7A

■ 00267A

■ 5E677A

■ 6A6F7A

■ 76777A

■ 82807A

■ 8F887A

■ 9B917A

Harmonies

Analogous

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



004D7A



2D457A



593A6D

Triad

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



2D457A



713622



005238

Complementary

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



2D457A



7A622D

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.



2A4F1F



2D457A



604010

Square

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



2D457A



772E3B



48490E



005353

Rectangle

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



2D457A



6A335E



48490E



04522F

Sweetspot

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



2D457A



80899E



2D7A62



3D434F



CFCFCF



4F4F4F

Same Dimension

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



2D457A



264B9E



3B2D7A



37393D



00277D



004FFC

Inverse Universe

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



7A2D45



9E264B



6C7A2D



3D3739



7D0027



FC004F

Previews

White Background



This preview shows how the Hex color 2D457A looks on a white background.

Color Contrast Check

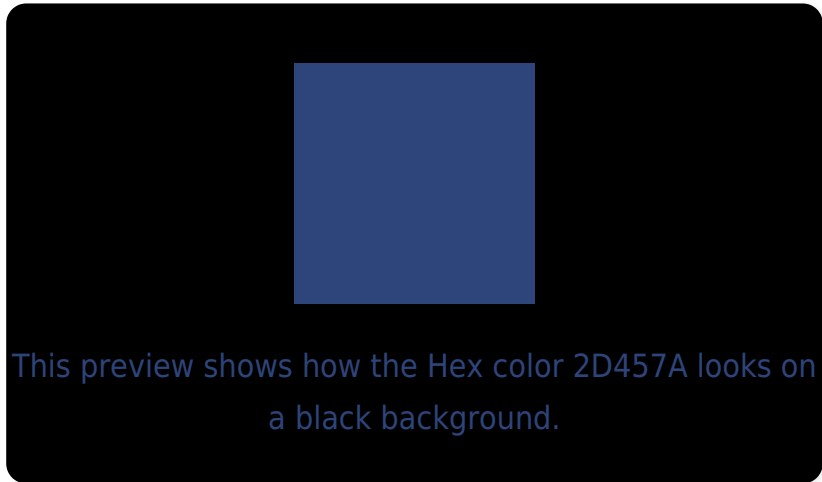
Large Text (above 18pt) WCAG AA ✓ Pass

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

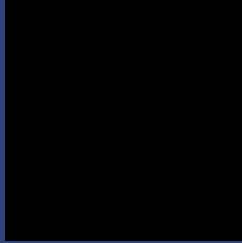
Any Text WCAG AA × Fail

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 2D457A Background



This preview shows how black text looks on a background with the Hex color 2D457A.



This preview shows how white text looks on a background with the Hex color 2D457A.

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
2D457A

Protanopia
2F457A

Deuteranopia
1F4779



Tritanopia
184D54

Trichromacy



Original Color
2D457A

Protanomaly
2E457A

Deuteranomaly
244679

Tritanomaly
204A62

Monochromacy



Original Color
2D457A

Achromatopsia
444444

Achromatomaly
3C4458

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D457A 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 #2D457A looks like.

```
.text, #text, p{  
    color:#2D457A  
}
```

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 #2D457A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D457A
}
```

Border

The CSS property to change the border of an element to Hex 2D457A 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
#2D457A }
```

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

```
.border{ border-color:#2D457A }
```

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

Here you see how a box with a 4 pixel #2D457A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D457A; -webkit-box-shadow:4px 4px  
4px 4px #2D457A; box-shadow:4px 4px 4px  
4px #2D457A }
```

Background

The CSS property to change the background color of an element to Hex 2D457A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D457A }
```

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

```
.background{ background-color:#2D457A }
```

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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