

# Converting Colors

Hex(2A0D80)

Have a look what the booklet for  
Hex(2A0D80) contains.

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# Color

**Hex(2A0D80)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2A0D80
RGB	42, 13, 128
RGB Percent	16%, 5%, 50%
CMY	0.8353, 0.9490, 0.4980
CMYK	0.67, 0.90, 0.00, 0.50
HSL	255°, 82%, 28%
HSV	255°, 90%, 50%
XYZ	4.9951, 2.3386, 20.6102
YIQ	34.7810, -19.6310, 41.9130

# Conversions

## Conversions Part 2

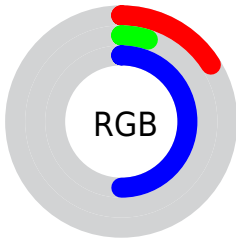
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 13, 128
Decimal	2755968
CIE <sub>Lab</sub>	17.17, 44.30, -57.64
CIE <sub>LCh</sub>	17, 72.698, 307.545
Yxy	2.3386, 0.1788, 0.0837
Android (android.graphics.Color)	4280946048 (0xFF2A0D80)
YUV	34.7810, 45.9570, 6.3311
Hunter-Lab	15.2925, 31.5424, -69.2024

# Details

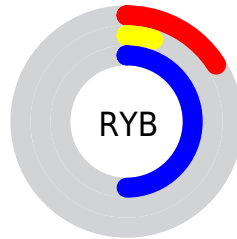
The Hex color **2A0D80** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **63800D**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **653EB6**, and **00004D** is the 20% darker color. If you saturate the color by 10%, you get **200080**, and if you desaturate by 10%, it is **341A80**.

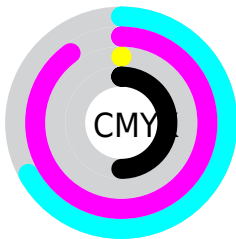
# Distribution



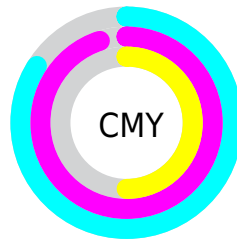
- Red (16%)
- Green (5%)
- Blue (50%)



- Red (16%)
- Yellow (5%)
- Blue (50%)



- Cyan (67%)
- Magenta (90%)
- Yellow (0%)
- Black (50%)



- Cyan (84%)
- Magenta (95%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2A0D80 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 2A0D80 by changing the saturation by 10% instead.



 2A0D80


 2A0D80

 FFFAFF

 000066


 653EB6

 00004D

 8157D2

 000535

 9E70EF

 00021F

 BA8AFF

 000003

 D7A5FF

 000000

 F5C1FF

 FFDDFF

 2A0D80

 2A0D80

■ 200080

■ 341A80

■ 3D2780

■ 473380

■ 504080

■ 5A4D80

■ 635A80

■ 6D6780

■ 777380

■ 808080

# Harmonies

## Analogous

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



003097



2A0D80



6C0053

# Triad

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



2A0D80



531400



003C37

# Complementary

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



2A0D80



63800D

# 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



2A0D80



292D00

# Square

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



2A0D80



700000



003600



003C6B

# Rectangle

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



2A0D80



7A0031



003600



003B24



# Sweetspot

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



2A0D80



8479A6



0D6380



403954



D4D4D4



545454



# Same Dimension

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



2A0D80



2A00A6



630D80



3B3940



200080



000000



# Inverse Universe

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



800D63



A6007C



2A800D



40393E



80005F

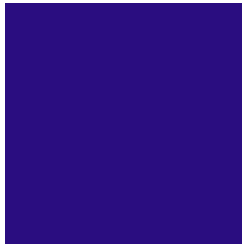


000000



# Previews

## White Background



This preview shows how the Hex color 2A0D80 looks on a white background.

## Color Contrast Check

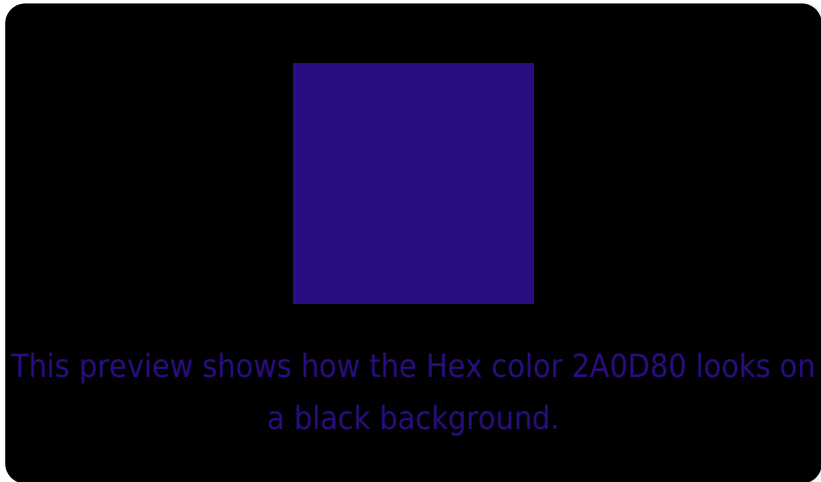
Large Text (above 18pt) WCAG AA ✓ Pass

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

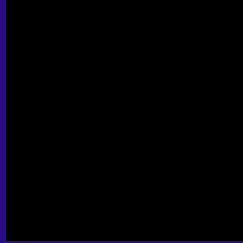
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2A0D80 Background



This preview shows how black text looks on a background with the Hex color 2A0D80.



This preview shows how white text looks on a background with the Hex color 2A0D80.

# 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**  
2A0D80

**Protanopia**  
002B59

**Deuteranopia**  
002D4C



# Trichromacy



**Original Color**  
2A0D80

**Protanomaly**  
0F2067

**Deuteranomaly**  
0F215F

**Tritanomaly**  
0F2450

# Monochromacy



**Original Color**  
2A0D80

**Achromatopsia**  
232323

**Achromatomaly**  
261B45

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2A0D80 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 #2A0D80 looks like.

```
.text, #text, p{  
    color:#2A0D80  
}
```

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 #2A0D80 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2A0D80
}
```

## Border

The CSS property to change the border of an element to Hex 2A0D80 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
#2A0D80 }
```

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

```
.border{ border-color:#2A0D80 }
```

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

Here you see how a box with a 4 pixel #2A0D80 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2A0D80; -webkit-box-shadow:4px 4px  
4px 4px #2A0D80; box-shadow:4px 4px 4px  
4px #2A0D80 }
```

# Background

The CSS property to change the background color of an element to Hex 2A0D80 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2A0D80 }
```

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

```
.background{ background-color:#2A0D80 }
```

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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