

# Converting Colors

Hex(28145A)

Have a look what the booklet for  
Hex(28145A) contains.

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# Color

**Hex(28145A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28145A
RGB	40, 20, 90
RGB Percent	16%, 8%, 35%
CMY	0.8431, 0.9216, 0.6471
CMYK	0.56, 0.78, 0.00, 0.65
HSL	257°, 64%, 22%
HSV	257°, 78%, 35%
XYZ	2.9707, 1.6896, 9.8424
YIQ	33.9600, -10.5500, 26.0100

# Conversions

## Conversions Part 2

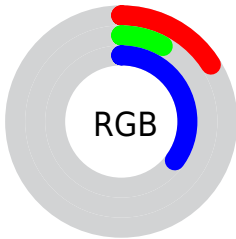
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	40, 20, 90
Decimal	2626650
CIE <sub>Lab</sub>	13.77, 29.20, -38.44
CIE <sub>LCh</sub>	14, 48.269, 307.220
Yxy	1.6896, 0.2048, 0.1165
Android (android.graphics.Color)	4280816730 (0xFF28145A)
YUV	33.9600, 27.6277, 5.2971
Hunter-Lab	12.9985, 18.0471, -35.7952

# Details

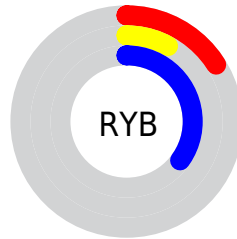
The Hex color **28145A** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **465A14**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **5B418D**, and **00012B** is the 20% darker color. If you saturate the color by 10%, you get **220B5A**, and if you desaturate by 10%, it is **2E1D5A**.

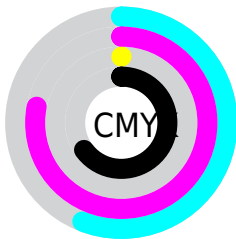
# Distribution



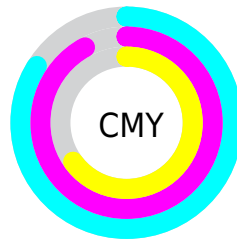
- Red (16%)
- Green (8%)
- Blue (35%)



- Red (16%)
- Yellow (8%)
- Blue (35%)



- Cyan (56%)
- Magenta (78%)
- Yellow (0%)
- Black (65%)



- Cyan (84%)
- Magenta (92%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 28145A 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 28145A by changing the saturation by 10% instead.



 28145A

 28145A


 FFFAFF

 0F0042

 5B418D

 00012B

 7558A8

 000115

 9071C3

 000000

 AB8BDF

 C7A6FC

 E4C1FF

 FFDDFF

 28145A

 28145A

■ 220B5A

■ 2E1D5A

■ 1B025A

■ 35265A

■ 1A005A

■ 3B2F5A

■ 42385A

■ 48415A

■ 4F4A5A

■ 55535A

■ 5B5C5A

■ 62655A

# Harmonies

## Analogous

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



002668



28145A



4F003E

# Triad

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



28145A



411700



00302B

# Complementary

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



28145A



465A14

# 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.



002F02



28145A



262500

# Square

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



28145A



540000



002B00



00304C

# Rectangle

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



28145A



590028



002B00



00301F



# Sweetspot

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



28145A



625A75



14465A



2F2A3B



BABABA



3B3B3B



# Same Dimension

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



28145A



270875



4B145A



2B292E



1F006E



4400ED



# Inverse Universe

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



5A1446



750856



235A14



2E292D



6E004E

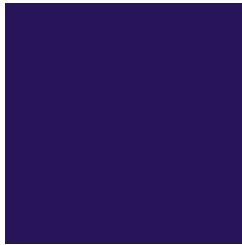


ED00A9



# Previews

## White Background



This preview shows how the Hex color 28145A looks on a white background.

## Color Contrast Check

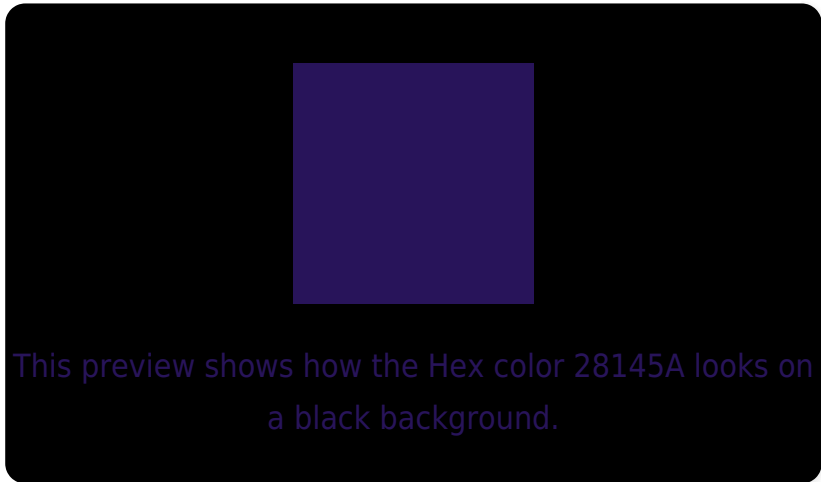
Large Text (above 18pt) WCAG AA ✓ Pass

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

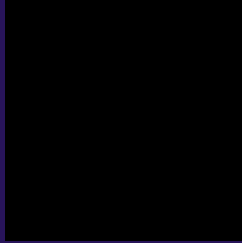
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 28145A Background



This preview shows how black text looks on a background with the Hex color 28145A.



This preview shows how white text looks on a background with the Hex color 28145A.

# 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**  
28145A

**Protanopia**  
00234A

**Deuteranopia**  
00253F



**Tritanopia**  
17272A

# Trichromacy



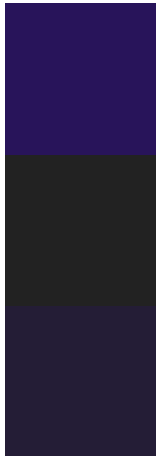
**Original Color**  
28145A

**Protanomaly**  
0F1E50

**Deuteranomaly**  
0F1F49

**Tritanomaly**  
1D203B

# Monochromacy



**Original Color**  
28145A

**Achromatopsia**  
222222

**Achromatomaly**  
241D36

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 28145A 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 #28145A looks like.

```
.text, #text, p{  
    color:#28145A  
}
```

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 #28145A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #28145A
}
```

## Border

The CSS property to change the border of an element to Hex 28145A 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
#28145A }
```

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

```
.border{ border-color:#28145A }
```

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

Here you see how a box with a 4 pixel #28145A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #28145A; -webkit-box-shadow:4px 4px  
4px 4px #28145A; box-shadow:4px 4px 4px  
4px #28145A }
```

# Background

The CSS property to change the background color of an element to Hex 28145A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#28145A }
```

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

```
.background{ background-color:#28145A }
```

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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