

Converting Colors

RGB(45, 0, 125)

Have a look what the booklet for
RGB(45, 0, 125) contains.

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Color

RGB(45, 0, 125)

Conversions

Conversions Part 1

Format	Color
Hex	2D007D
RGB	45, 0, 125
RGB Percent	18%, 0%, 49%
CMY	0.8235, 1.0000, 0.5098
CMYK	0.64, 1.00, 0.00, 0.51
HSL	262°, 100%, 25%
HSV	262°, 100%, 49%
XYZ	4.7839, 2.0386, 19.5434
YIQ	27.7050, -13.3050, 48.4150

Conversions

Conversions Part 2

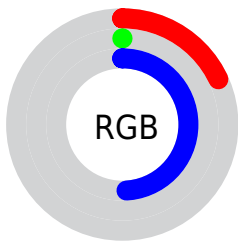
Format	Color
RYB	45, 0, 125
Decimal	2949245
CIELab	15.69, 48.02, -58.18
CIELCh	16, 75.440, 309.534
Yxy	2.0386, 0.1814, 0.0773
Android (android.graphics.Color)	4281139325 (0xFF2D007D)
YUV	27.7050, 47.9664, 15.1677
Hunter-Lab	14.2778, 34.8213, -71.1614

Details

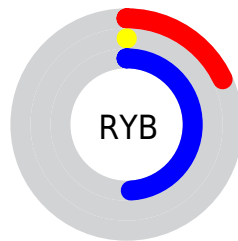
The RGB color **45, 0, 125** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **80, 125, 0**, and the grayscale version is **27, 27, 27**.

A 20% lighter version of the original color is **103, 55, 179**, and **0, 0, 75** is the 20% darker color. If you saturate the color by 10%, you get **45, 0, 125**, and if you desaturate by 10%, it is **53, 12, 125**.

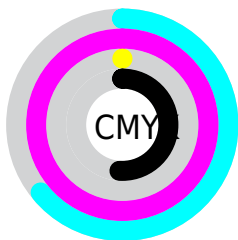
Distribution



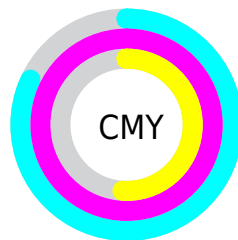
- Red (18%)
- Green (0%)
- Blue (49%)



- Red (18%)
- Yellow (0%)
- Blue (49%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (51%)




- Cyan (82%)
- Magenta (100%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RGB color 45, 0, 125 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 RGB color 45, 0, 125 by changing the saturation by 10% instead.

 45, 0, 125


 45, 0, 125

 255, 242, 255


 3, 0, 99

 103, 55, 179

 0, 0, 75

 131, 80, 207

 0, 4, 51

 160, 105, 236

 0, 2, 29

 189, 131, 255

 0, 0, 0

 218, 158, 255

 248, 186, 255

 255, 214, 255

 45, 0, 125

■ 53, 12, 125

■ 61, 25, 125

■ 69, 38, 125

■ 77, 50, 125

■ 85, 63, 125

■ 93, 75, 125

■ 101, 87, 125

■ 109, 100, 125

■ 117, 113, 125

Harmonies

Analogous

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



0, 45, 150



45, 0, 125



109, 0, 78

Triad

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



45, 0, 125



78, 19, 0



0, 56, 56

Complementary

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



45, 0, 125



80, 125, 0

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.



0, 55, 0



45, 0, 125



34, 43, 0

Square

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



45, 0, 125



108, 0, 0



0, 51, 0



0, 58, 109

Rectangle

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



45, 0, 125



121, 0, 43



0, 51, 0



0, 56, 37

Sweetspot

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



45, 0, 125



132, 114, 163



0, 81, 125



63, 52, 82



209, 209, 209



82, 82, 82

Same Dimension

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



45, 0, 125



59, 0, 163



106, 0, 125



60, 57, 64



46, 0, 128



0, 0, 0

Inverse Universe

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



125, 0, 80



163, 0, 104



19, 125, 0



64, 57, 61



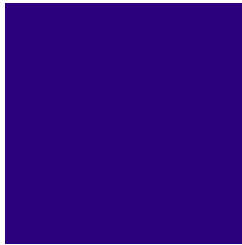
128, 0, 82



0, 0, 0

Previews

White Background



This preview shows how the RGB color 45, 0, 125 looks on a white background.

Color Contrast Check

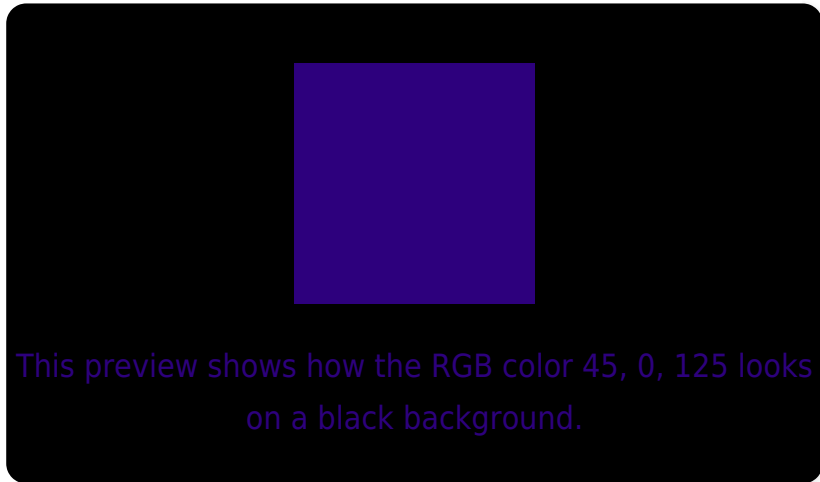
Large Text (above 18pt) WCAG AA ✓ Pass

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

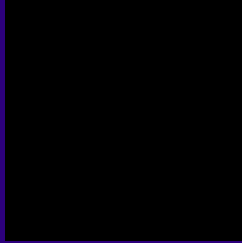
Any Text WCAG AA × Fail

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](#).

RGB 45, 0, 125 Background



This preview shows how black text looks on a background with the RGB color 45, 0, 125.



This preview shows how white text looks on a background with the RGB color 45, 0, 125.

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


45, 0, 125

Protanopia

0, 42, 87

Deuteranopia

0, 44, 74



Tritanopia
0, 48, 51

Trichromacy



Original Color

45, 0, 125

Protanomaly

16, 27, 101

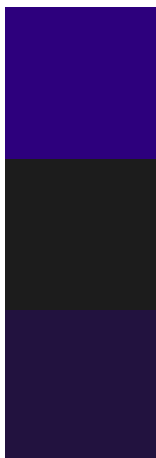
Deuteranomaly

16, 28, 93

Tritanomaly

16, 31, 78

Monochromacy



Original Color

45, 0, 125

Achromatopsia

28, 28, 28

Achromatomaly

34, 18, 63

CSS Examples

Text

The CSS property to change the color of the text to RGB 45, 0, 125 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 `rgb(45, 0, 125)` looks like.

```
.text, #text, p{  
    color:rgb(45, 0, 125)  
}
```

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 rgb(45, 0, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 0, 125) }
```

Border

The CSS property to change the border of an element to RGB 45, 0, 125 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 rgb(45, 0, 125) }
```

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

```
.border{ border-color:rgb(45, 0, 125) }
```

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

Here you see how a box with a 4 pixel rgb(45, 0, 125) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 0, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 0, 125);  
box-shadow:4px 4px 4px 4px rgb(45, 0, 125)  
}
```

Background

The CSS property to change the background color of an element to RGB 45, 0, 125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 0, 125) }
```

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

```
.background{ background-color: rgb(45, 0,  
125) }
```

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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