

Converting Colors

Hex(00045B)

Have a look what the booklet for
Hex(00045B) contains.

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Color

Hex(00045B)

Conversions

Conversions Part 1

Format	Color
Hex	00045B
RGB	0, 4, 91
RGB Percent	0%, 2%, 36%
CMY	1.0000, 0.9843, 0.6431
CMYK	1.00, 0.96, 0.00, 0.64
HSL	237°, 100%, 18%
HSV	237°, 100%, 36%
XYZ	1.9317, 0.8422, 9.9583
YIQ	12.7220, -30.3110, 26.2090

Conversions

Conversions Part 2

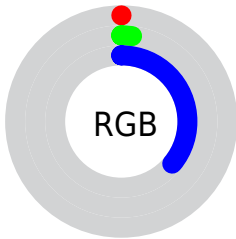
Format	Color
RYB	0, 4, 91
Decimal	1115
CIELab	7.61, 34.69, -49.41
CIELCh	8, 60.373, 305.077
Yxy	0.8422, 0.1517, 0.0661
Android (android.graphics.Color)	4278191195 (0xFF00045B)
YUV	12.7220, 38.5911, -11.1572
Hunter-Lab	9.1769, 21.5145, -57.9140

Details

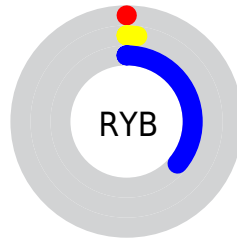
The Hex color **00045B** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **5B5700**, and the grayscale version is **0C0C0C**.

A 20% lighter version of the original color is **45308E**, and **00032C** is the 20% darker color. If you saturate the color by 10%, you get **00045B**, and if you desaturate by 10%, it is **090D5B**.

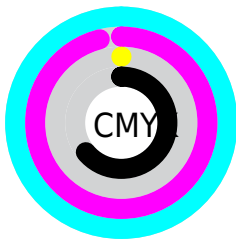
Distribution



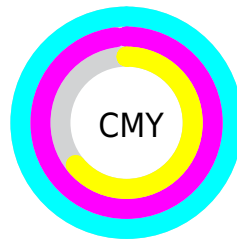
- Red (0%)
- Green (2%)
- Blue (36%)



- Red (0%)
- Yellow (2%)
- Blue (36%)



- Cyan (100%)
- Magenta (96%)
- Yellow (0%)
- Black (64%)



- Cyan (100%)
- Magenta (98%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00045B 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 00045B by changing the saturation by 10% instead.

00045B

00045B

FFE5FF

000043

45308E

00032C

6047A9

000116

7B5FC5

000000

9778E1

B392FE

D0ADFF

EDC9FF

00045B

■ 090D5B

■ 12155B

■ 1B1E5B

■ 24275B

■ 2E2F5B

■ 37385B

■ 40415B

■ 494A5B

■ 52525B

Harmonies

Analogous

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



001D6B



00045B



460039

Triad

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



00045B



370200



00221D

Complementary

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



00045B



5B5700

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.



002200



00045B



171800

Square

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



00045B



4C0000



002200



002545

Rectangle

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



00045B



52001F



002200



00220D

Sweetspot

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



00045B



525475



005B56



26263B



BABABA



3B3B3B

Same Dimension

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



00045B



000575



29005B



292A2E



00056E



000AED

Inverse Universe

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



5B0004



750005



325B00



2E292A



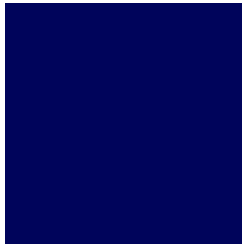
6E0005



ED000A

Previews

White Background



This preview shows how the Hex color 00045B looks on a white background.

Color Contrast Check

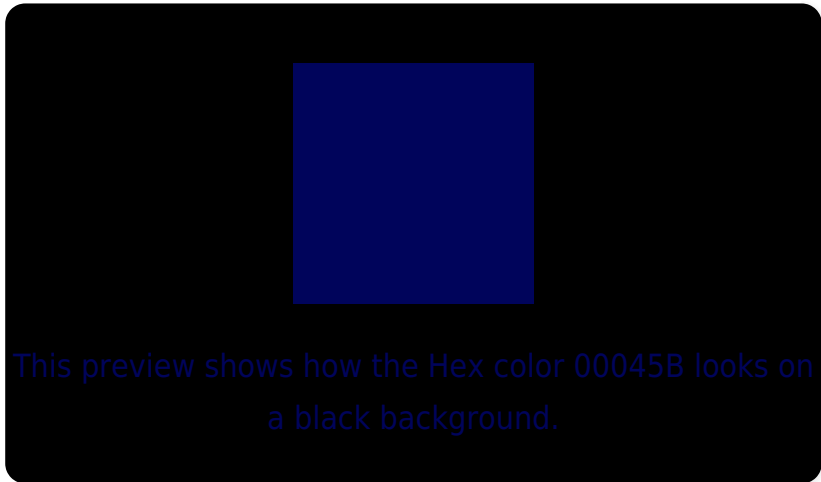
Large Text (above 18pt) WCAG AA ✓ Pass

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

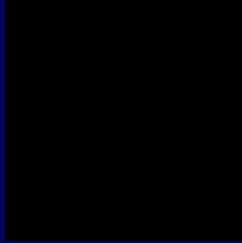
Any Text WCAG AA × Fail

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 00045B Background



This preview shows how black text looks on a background with the Hex color 00045B.



This preview shows how white text looks on a background with the Hex color 00045B.

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
00045B

Protanopia
001B38

Deuteranopia
001D2F

Trichromacy



Original Color
00045B

Protanomaly
001345

Deuteranomaly
00143F

Tritanomaly
001535

Monochromacy



Original Color
00045B

Achromatopsia
0D0D0D

Achromatomaly
080A29

CSS Examples

Text

The CSS property to change the color of the text to Hex 00045B 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 #00045B looks like.

```
.text, #text, p{  
    color:#00045B  
}
```

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 #00045B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00045B
}
```

Border

The CSS property to change the border of an element to Hex 00045B 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
#00045B }
```

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

```
.border{ border-color:#00045B }
```

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

Here you see how a box with a 4 pixel #00045B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00045B; -webkit-box-shadow:4px 4px  
4px 4px #00045B; box-shadow:4px 4px 4px  
4px #00045B }
```

Background

The CSS property to change the background color of an element to Hex 00045B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00045B }
```

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

```
.background{ background-color:#00045B }
```

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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