

Converting Colors

Hex(004568)

Have a look what the booklet for
Hex(004568) contains.

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Color

Hex(004568)

Conversions

Conversions Part 1

Format	Color
Hex	004568
RGB	0, 69, 104
RGB Percent	0%, 27%, 41%
CMY	1.0000, 0.7294, 0.5922
CMYK	1.00, 0.34, 0.00, 0.59
HSL	200°, 100%, 20%
HSV	200°, 100%, 41%
XYZ	4.6268, 5.2557, 13.8673
YIQ	52.3590, -52.3590, -3.7430

Conversions

Conversions Part 2

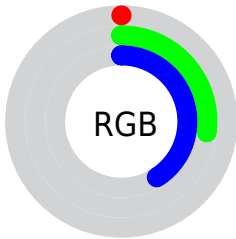
Format	Color
RYB	0, 41, 104
Decimal	17768
CIELab	27.45, -4.72, -25.71
CIELCh	27, 26.140, 259.587
Yxy	5.2557, 0.1948, 0.2213
Android (android.graphics.Color)	4278207848 (0xFF004568)
YUV	52.3590, 25.4590, -45.9188
Hunter-Lab	22.9254, -4.0944, -19.8161

Details

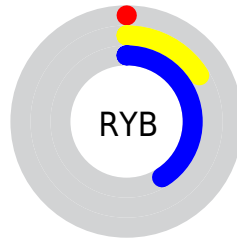
The Hex color **004568** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **682300**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **45759B**, and **001A39** is the 20% darker color. If you saturate the color by 10%, you get **004568**, and if you desaturate by 10%, it is **0A4868**.

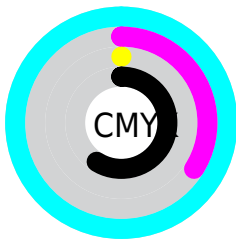
Distribution



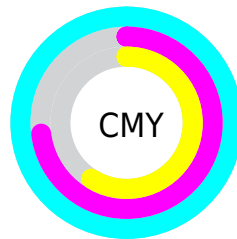
- Red (0%)
- Green (27%)
- Blue (41%)



- Red (0%)
- Yellow (16%)
- Blue (41%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (59%)



- Cyan (100%)
- Magenta (73%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the Hex color 004568 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 004568 by changing the saturation by 10% instead.

■ 004568

■ 004568

FFFFFF

■ 002F50

■ 45759B

■ 001A39

■ 608FB6

■ 000223

■ 7BA9D2

■ 00000A

■ 97C4EE

■ 000000

■ B3E0FF

■ CFFDFF

■ ECFDFF

■ 004568

■ 0A4868

■ 154C68

■ 1F4F68

■ 2A5368

■ 345668

■ 3E5A68

■ 495E68

■ 536168

■ 5E6568

Harmonies

Analogous

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



00495F



004568



373E67

Triad

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



004568



663034



284826

Complementary

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



004568



682300

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.



404419



004568



603623

Square

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



004568



623149



533D18



004B39

Rectangle

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



004568



4B3960



533D18



314721

Sweetspot

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



004568



5F7A87



006823



2C3D45



C4C4C4



454545

Same Dimension

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



004568



005A87



001168



2E3133



004C73



00A1F2

Inverse Universe

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



680045



87005A



685700



332E31



73004C



F200A1

Previews

White Background



This preview shows how the Hex color 004568 looks on a white background.

Color Contrast Check

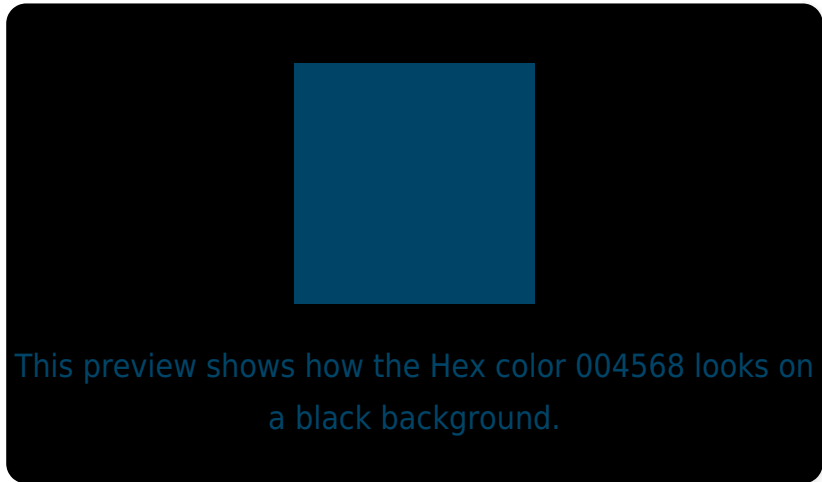
Large Text (above 18pt) WCAG AA ✓ Pass

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

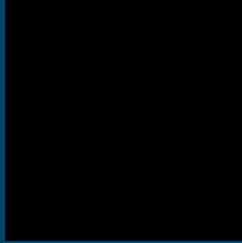
Any Text WCAG AA × Fail

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 004568 Background



This preview shows how black text looks on a background with the Hex color 004568.



This preview shows how white text looks on a background with the Hex color 004568.

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
004568

Protanopia
354064

Deuteranopia
2A4169



Tritanopia
00494E

Trichromacy



Original Color
004568

Protanomaly
224265

Deuteranomaly
1B4269

Tritanomaly
004857

Monochromacy



Original Color
004568

Achromatopsia
343434

Achromatomaly
213A47

CSS Examples

Text

The CSS property to change the color of the text to Hex 004568 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 #004568 looks like.

```
.text, #text, p{  
    color:#004568  
}
```

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 #004568 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004568
}
```

Border

The CSS property to change the border of an element to Hex 004568 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
#004568 }
```

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

```
.border{ border-color:#004568 }
```

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

Here you see how a box with a 4 pixel #004568 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004568; -webkit-box-shadow:4px 4px  
4px 4px #004568; box-shadow:4px 4px 4px  
4px #004568 }
```

Background

The CSS property to change the background color of an element to Hex 004568 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004568 }
```

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

```
.background{ background-color:#004568 }
```

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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