

Converting Colors

Hex(304D86)

Have a look what the booklet for
Hex(304D86) contains.

Hex(304D86)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(304D86)

Conversions

Conversions Part 1

Format	Color
Hex	304D86
RGB	48, 77, 134
RGB Percent	19%, 30%, 53%
CMY	0.8118, 0.6980, 0.4745
CMYK	0.64, 0.43, 0.00, 0.47
HSL	220°, 47%, 36%
HSV	220°, 64%, 53%
XYZ	8.1759, 7.6574, 23.6014
YIQ	74.8270, -35.5810, 11.5790

Conversions

Conversions Part 2

Format	Color
RYB	48, 70, 134
Decimal	3165574
CIELab	33.26, 8.39, -35.21
CIElCh	33, 36.198, 283.409
Yxy	7.6574, 0.2073, 0.1942
Android (android.graphics.Color)	4281355654 (0xFF304D86)
YUV	74.8270, 29.1723, -23.5273
Hunter-Lab	27.6719, 4.3132, -31.1980

Details

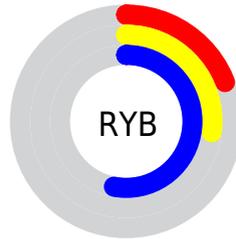
The Hex color **304D86** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **866930**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **677EBC**, and **002254** is the 20% darker color. If you saturate the color by 10%, you get **234486**, and if you desaturate by 10%, it is **3D5686**.

Distribution



- Red (19%)
- Green (30%)
- Blue (53%)



- Red (19%)
- Yellow (27%)
- Blue (53%)



- Cyan (64%)
- Magenta (43%)
- Yellow (0%)
- Black (47%)



- Cyan (81%)
- Magenta (70%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 304D86 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 304D86 by changing the saturation by 10% instead.

■ 304D86

■ 304D86

FFFFFF

■ 0E376C

■ 677EBC

■ 002254

■ 8297D8

■ 000B3C

■ 9DB2F4

■ 000226

■ B9CDFF

■ 00010F

■ D6E AFF

■ 000000

■ F3FFFF

■ 304D86

■ 304D86

■ 234486

■ 3D5686

■ 153B86

■ 4B5F86

■ 083286

■ 586886

■ 002D86

■ 667186

■ 737986

■ 808286

■ 8E8B86

■ 9B9486

■ A99D86

Harmonies

Analogous

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



005685



304D86



604178

Triad

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



304D86



7C3C28



005B3D

Complementary

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



304D86



866930

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.



315722



304D86



6B4715

Square

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



304D86



833442



515111



005C5B

Rectangle

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



304D86



743968



515111



0D5A33

Sweetspot

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



304D86



8C98AD



308668



434957



D6D6D6



575757

Same Dimension

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



304D86



2855AD



3D3086



3C3E42



002C82



000103

Inverse Universe

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



86304D



AD2855



798630



423C3E



82002C



030001

Previews

White Background



This preview shows how the Hex color 304D86 looks on a white background.

Color Contrast Check

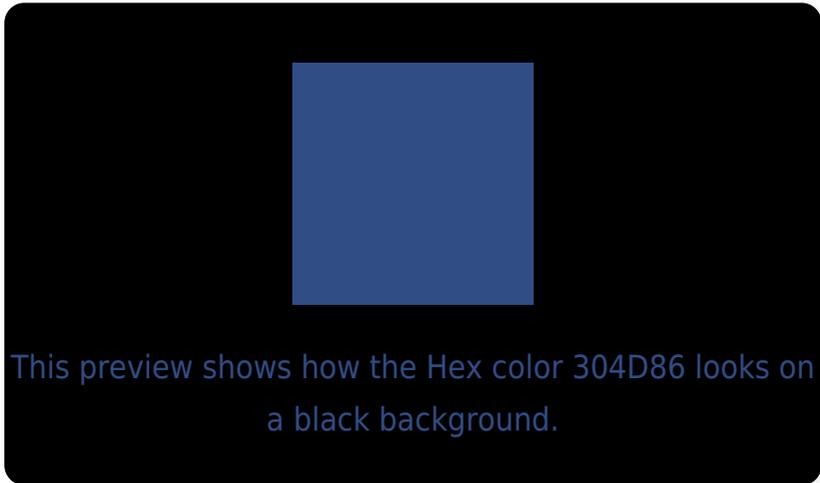
Large Text (above 18pt) WCAG AA ✓ Pass

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

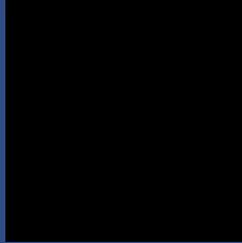
Any Text WCAG AA × Fail

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 304D86 Background



This preview shows how black text looks on a background with the Hex color 304D86.



This preview shows how white text looks on a background with the Hex color 304D86.

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
304D86

Protanopia
354C85

Deuteranopia
244F86



Tritanopia
18565D

Trichromacy



Original Color
304D86

Protanomaly
334C85

Deuteranomaly
284E86

Tritanomaly
21536C

Monochromacy



Original Color
304D86

Achromatopsia
4B4B4B

Achromatomaly
414C60

CSS Examples

Text

The CSS property to change the color of the text to Hex 304D86 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 #304D86 looks like.

```
.text, #text, p{  
    color:#304D86  
}
```

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 #304D86 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #304D86
}
```

Border

The CSS property to change the border of an element to Hex 304D86 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
#304D86 }
```

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

```
.border{ border-color:#304D86 }
```

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

Here you see how a box with a 4 pixel #304D86 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #304D86; -webkit-box-shadow:4px 4px  
4px 4px #304D86; box-shadow:4px 4px 4px  
4px #304D86 }
```

Background

The CSS property to change the background color of an element to Hex 304D86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#304D86 }
```

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

```
.background{ background-color:#304D86 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor