

# Converting Colors

Hex(2D4164)

Have a look what the booklet for  
Hex(2D4164) contains.

<b>Hex(2D4164)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(2D4164)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2D4164
RGB	45, 65, 100
RGB Percent	18%, 25%, 39%
CMY	0.8235, 0.7451, 0.6078
CMYK	0.55, 0.35, 0.00, 0.61
HSL	218°, 38%, 28%
HSV	218°, 55%, 39%
XYZ	5.2727, 5.2586, 12.7937
YIQ	63.0100, -23.1550, 6.6450

# Conversions

## Conversions Part 2

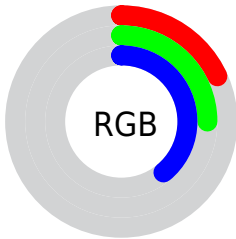
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 60, 100
Decimal	2965860
CIE Lab	27.46, 3.37, -23.03
CIE LCh	27, 23.274, 278.325
Yxy	5.2586, 0.2261, 0.2254
Android (android.graphics.Color)	4281155940 (0xFF2D4164)
YUV	63.0100, 18.2361, -15.7948
Hunter-Lab	22.9316, 0.9128, -17.0262

# Details

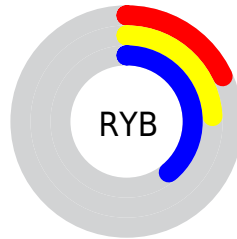
The Hex color **2D4164** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **64502D**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **5F7197**, and **001735** is the 20% darker color. If you saturate the color by 10%, you get **233B64**, and if you desaturate by 10%, it is **374764**.

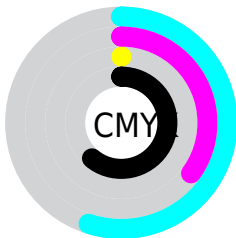
# Distribution



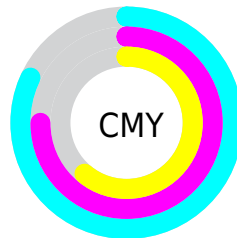
- Red (18%)
- Green (25%)
- Blue (39%)



- Red (18%)
- Yellow (24%)
- Blue (39%)



- Cyan (55%)
- Magenta (35%)
- Yellow (0%)
- Black (61%)



- Cyan (82%)
- Magenta (75%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D4164 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 2D4164 by changing the saturation by 10% instead.



■ 2D4164

■ 2D4164

FFFFFF

■ 132B4C

■ 5F7197

■ 001735

■ 788AB2

■ 000220

■ 93A4CD

■ 000003

■ AEBFEA

■ 000000

■ CADBFF

■ E6F8FF

■ 2D4164

■ 2D4164

■ 233B64

■ 374764

■ 193464

■ 414E64

■ 0F2E64

■ 4B5464

■ 052864

■ 555A64

■ 002464

■ 5F6164

■ 696764

■ 736E64

■ 7D7464

■ 877A64

# Harmonies

## Analogous

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



004662



2D4164



493A5D

# Triad

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



2D4164



60352C



1C4933

# Complementary

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



2D4164



64502D

# 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.



344624



2D4164



573B20

# Square

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



2D4164



63323D



47411D



004A45

# Rectangle

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



2D4164



563654



47411D



25482D



# Sweetspot

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



2D4164



6C7482



2D6450



353A42



C2C2C2



424242



# Same Dimension

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



2D4164



2C4B82



342D64



2E3033



002A73



0058F2



# Inverse Universe

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



642D41



822C4B



5D642D



332E30



73002A

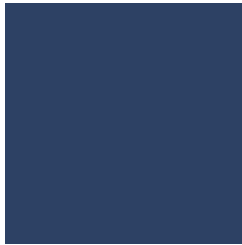


F20058



# Previews

## White Background



This preview shows how the Hex color 2D4164 looks on a white background.

## Color Contrast Check

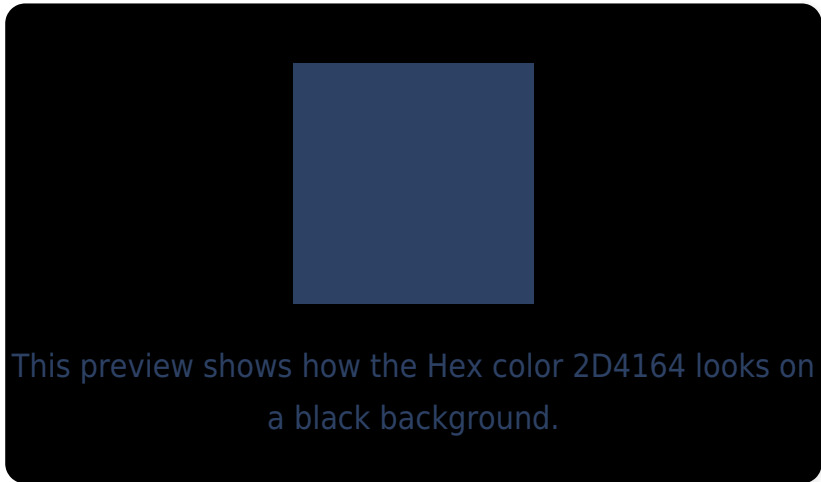
Large Text (above 18pt) WCAG AA ✓ Pass

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 2D4164 Background



This preview shows how black text looks on a background with the Hex color 2D4164.



This preview shows how white text looks on a background with the Hex color 2D4164.

# 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](#).

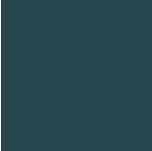
## Dichromacy



**Original Color**  
2D4164

**Protanopia**  
344063

**Deuteranopia**  
2F4164



**Tritanopia**  
24464C

# Trichromacy



**Original Color**  
2D4164

**Protanomaly**  
314063

**Deuteranomaly**  
2E4164

**Tritanomaly**  
274455

# Monochromacy



**Original Color**  
2D4164

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
38404C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D4164 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 #2D4164 looks like.

```
.text, #text, p{  
    color:#2D4164  
}
```

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 #2D4164 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D4164
}
```

## Border

The CSS property to change the border of an element to Hex 2D4164 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
#2D4164 }
```

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

```
.border{ border-color:#2D4164 }
```

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

Here you see how a box with a 4 pixel #2D4164 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D4164; -webkit-box-shadow:4px 4px  
4px 4px #2D4164; box-shadow:4px 4px 4px  
4px #2D4164 }
```

# Background

The CSS property to change the background color of an element to Hex 2D4164 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D4164 }
```

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

```
.background{ background-color:#2D4164 }
```

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