

# Converting Colors

Hex(1B4768)

Have a look what the booklet for  
Hex(1B4768) contains.

<b>Hex(1B4768)</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(1B4768)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B4768
RGB	27, 71, 104
RGB Percent	11%, 28%, 41%
CMY	0.8941, 0.7216, 0.5922
CMYK	0.74, 0.32, 0.00, 0.59
HSL	206°, 59%, 26%
HSV	206°, 74%, 41%
XYZ	5.2039, 5.7390, 13.9302
YIQ	61.6060, -36.8170, 0.9350

# Conversions

## Conversions Part 2

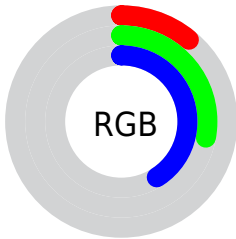
<b>Format</b>	<b>Color</b>
<b>RYB</b>	27, 55, 104
Decimal	1787752
CIELab	28.74, -3.00, -23.63
CIElCh	29, 23.822, 262.760
Yxy	5.7390, 0.2092, 0.2307
Android (android.graphics.Color)	4279977832 (0xFF1B4768)
YUV	61.6060, 20.9002, -30.3495
Hunter-Lab	23.9561, -3.1482, -17.7070




# Details

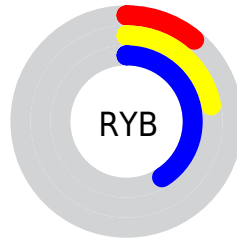
The Hex color **1B4768** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **683C1B**, and the grayscale version is **3D3D3D**.




A 20% lighter version of the original color is **51779B**, and **001C39** is the 20% darker color. If you saturate the color by 10%, you get **114368**, and if you desaturate by 10%, it is **254B68**.

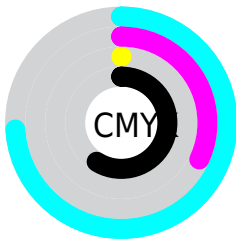
# Distribution







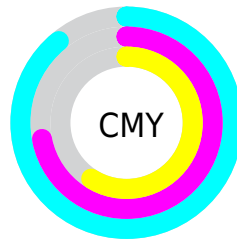
-  Red (11%)
-  Green (28%)
-  Blue (41%)






-  Red (11%)
-  Yellow (22%)
-  Blue (41%)



-  Cyan (74%)
-  Magenta (32%)
-  Yellow (0%)
-  Black (59%)



-  Cyan (89%)
-  Magenta (72%)
-  Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B4768 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 1B4768 by changing the saturation by 10% instead.



■ 1B4768

■ 1B4768

FFFFFF

■ 003150

■ 51779B

■ 001C39

■ 6C91B6

■ 000223

■ 86ABD2

■ 00000A

■ A2C7EE

■ 000000

■ BEE3FF

■ DAFFFF

■ F7FFFF

■ 1B4768

■ 1B4768

■ 114368

■ 254B68

■ 063E68

■ 305068

■ 003B68

■ 3A5468

■ 455968

■ 4F5D68

■ 596268

■ 646668

■ 6E6B68

■ 796F68

# Harmonies

## Analogous

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



004B61



1B4768



3F4166

# Triad

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



1B4768



673637



2B4B2D

# Complementary

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



1B4768



683C1B

# 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.



414721



1B4768



603B27

# Square

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



1B4768



643549



53411F



0C4D3F

# Rectangle

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



1B4768



503C5F



53411F



334A28



# Sweetspot

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



1B4768



697A87



1B683B



333D45



C4C4C4



454545



# Same Dimension

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



1B4768



0F5487



1B2168



2E3133



004273



008AF2



# Inverse Universe

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



681B47



870F54



68621B



332E31



730042



F2008A



# Previews

## White Background



This preview shows how the Hex color 1B4768 looks on a white background.

## Color Contrast Check

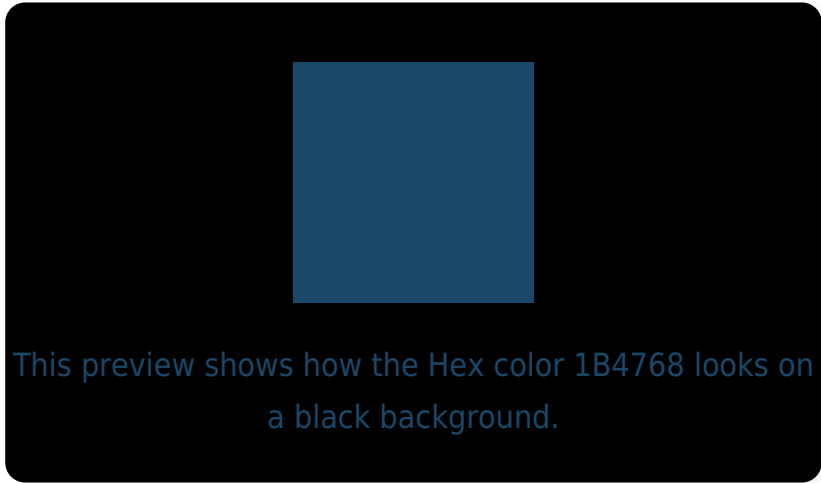
Large Text (above 18pt) WCAG AA ✓ Pass

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 1B4768 Background



This preview shows how black text looks on a background with the Hex color 1B4768.



This preview shows how white text looks on a background with the Hex color 1B4768.

# 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**  
1B4768

**Protanopia**  
384364

**Deuteranopia**  
314469



**Tritanopia**  
004B51

# Trichromacy



**Original Color**  
1B4768

**Protanomaly**  
2D4465

**Deuteranomaly**  
294569

**Tritanomaly**  
0A4A59

# Monochromacy



**Original Color**  
1B4768

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
31414D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B4768 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 #1B4768 looks like.

```
.text, #text, p{  
    color:#1B4768  
}
```

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 #1B4768 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B4768
}
```

## Border

The CSS property to change the border of an element to Hex 1B4768 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
#1B4768 }
```

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

```
.border{ border-color:#1B4768 }
```

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

Here you see how a box with a 4 pixel #1B4768 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B4768; -webkit-box-shadow:4px 4px  
4px 4px #1B4768; box-shadow:4px 4px 4px  
4px #1B4768 }
```

# Background

The CSS property to change the background color of an element to Hex 1B4768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B4768 }
```

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

```
.background{ background-color:#1B4768 }
```

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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